

Single Digit Representations of Natural Numbers From 10001 to 15000

Inder J. Taneja¹

Abstract

There are different ways of representing natural numbers, such as writing in terms of 1 to 9 or 9 to 1, writing in terms of single letter, single digit, flexible power, etc. These types of representations we call as **crazy representations**. This paper bring numbers 10001 to 15000 in terms of each digit. The total work up to 20000 numbers divided in four parts. For other parts refer [10, 11, 12].

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1 Crazy Representations of Natural Numbers

In this section, we shall write different ways of writing natural numbers. These representations are divided in four different types.

1.1 First Type: Increasing and Decreasing

In 2014, author [1] wrote natural numbers in increasing and decreasing orders of 1 to 9 and 9 to 1. See examples below:

$$\mathbf{100} := 1 + 2 + 3 + 4 + 5 + 6 + 7 + 8 \times 9 = 9 \times 8 + 7 + 6 + 5 + 4 + 3 + 2 + 1$$

$$\mathbf{101} := 1 + 2 + 34 + 5 + 6 \times 7 + 8 + 9 = 9 \times 8 + 7 + 6 + 5 + 4 + 3 \times 2 + 1$$

$$\mathbf{102} := 12 + 3 \times 4 \times 5 + 6 + 7 + 8 + 9 = 9 + 8 + 7 + 6 + 5 + 4^3 + 2 + 1$$

$$\mathbf{103} := 1 \times 2 \times 34 + 5 + 6 + 7 + 8 + 9 = 9 + 8 + 7 \times 6 + 5 \times 4 + 3 + 21$$

¹ Formerly, Professor of Mathematics, Universidade Federal de Santa Catarina, Florianópolis, SC, Brazil (1978-2012). Also worked at Delhi University, India (1976-1978).

E-mail: ijthaneja@gmail.com;

Web-sites: <http://inderjtaneja.com>; <http://indertaneja.com>;

Twitter: @IJTANEJA;

Instagram: @crazynumbers.

$$\begin{aligned}
104 &:= 1 + 23 + 4 + 5 + 6 + 7 \times 8 + 9 &= 9 + 8 + 7 + 65 + 4 \times 3 + 2 + 1 \\
105 &:= 1 + 2 \times 3 \times 4 + 56 + 7 + 8 + 9 &= 9 + 8 \times 7 + 6 \times 5 + 4 + 3 + 2 + 1 \\
106 &:= 12 + 3 + 4 \times 5 + 6 + 7 \times 8 + 9 &= 9 + 8 \times 7 + 6 \times 5 + 4 + 3 \times 2 + 1 \\
107 &:= 1 \times 23 + 4 + 56 + 7 + 8 + 9 &= 9 + 8 + 76 + 5 + 4 + 3 + 2 \times 1 \\
108 &:= 1 + 2 + 3 + 4 + 5 + 6 + 78 + 9 &= 9 + 8 + 76 + 5 + 4 + 3 + 2 + 1.
\end{aligned}$$

See more examples,

$$\begin{aligned}
999 &:= 12 \times 3 \times (4 + 5) + (67 + 8) \times 9 &= 9 + 8 + 7 + 654 + 321. \\
2535 &:= 1 + 2345 + (6 + 7 + 8) \times 9 &= 9 + 87 \times (6 + 5 \times 4 + 3) + 2 + 1. \\
2607 &:= 123 \times 4 \times 5 + 6 + (7 + 8) \times 9 &= 987 + 6 \times 54 \times (3 + 2) \times 1. \\
10958 &:= 12 \times 3 + \sqrt{4} + 5! \times (67 + 8 \times \sqrt{9}) &= (9 + 8 \times 7 \times 65 + 4) \times 3 - 2 + 1. \\
11807 &:= 1 \times 234 \times (5 + 6 \times 7) + 89 &= -9 + 8 + 7 \times (6 + 5) \times (4 \times 3)^2 \times 1.
\end{aligned}$$

We observe that the number 10958 is the only number among 0 to 11111, where we need extra operations, such as **square-root**, **factorial**, etc. to write in increasing case. For more details refer author's web-site link [5]. Extension of numbers from 11112 to 30000 refer [2, 3, 4].

1.2 Second Type: Flexible Power Representations

Let us consider two numbers, 1 and 2. Using the idea of power and the operations of *addition* and *subtraction*, we can write following 3 numbers in terms of 1 and 2, as $1 = -1^2 + 2^1$, $3 = 1^2 + 2^1$ and $5 = 1^1 + 2^2$. In this situation, we observe that *bases* and *exponents* are of same digits. Permutations of exponent values helps in bringing different numbers. In case of repeated values, for example, $3 = 1^2 + 2^1 = -1^1 + 2^2$, only possibilities is considered. There is only one number having single digit, i.e., $1 = 1^1$. For simplicity, let us represent the above procedure as $(1, 2)^{(1, 2)}$, resulting in three possible values. The above procedure is with two digits. Instead having two digits, we can work with two letters, such as,

$$(a, b)^{(a, b)}, \dots (a, b, c, d, e, f, g, h, i)^{(a, b, c, d, e, f, g, h, i)},$$

where $a, b, c, d, e, f, g, h, i \in \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, all distinct.

1.2.1 Unequal String Lengths

$$\begin{aligned}
100 &:= 2^6 + 6^2 & 107 &:= -1^2 + 2^7 - 3^3 + 7^1 & 114 &:= -2^2 + 3^5 - 5^3 \\
101 &:= 1^1 + 2^6 + 6^2 & 108 &:= 1^7 + 2^6 + 6^2 + 7^1 & 115 &:= 1^5 - 2^1 - 3^2 + 5^3 \\
102 &:= -2^5 + 3^2 + 5^3 & 109 &:= 1^2 + 2^7 - 3^3 + 7^1 & 116 &:= 2^2 + 3^5 - 4^4 + 5^3 \\
103 &:= 1^1 - 2^5 + 3^2 + 5^3 & 110 &:= 1^9 + 2^6 + 6^2 + 9^1 & 117 &:= -1^1 + 3^5 - 5^3 \\
104 &:= -1^1 + 2^3 + 3^4 + 4^2 & 111 &:= -1^3 + 2^7 - 3^2 - 7^1 & 118 &:= 3^5 - 5^3 \\
105 &:= 2^3 + 3^4 + 4^2 & 112 &:= 3^5 - 4^4 + 5^3 & 119 &:= 1^1 + 3^5 - 5^3. \\
106 &:= 2^7 + 3^3 - 7^2 & 113 &:= -1^5 - 2^1 - 3^2 + 5^3
\end{aligned}$$

See more examples,

$$\begin{aligned}
638 &:= -1^5 - 2^1 - 4^2 + 5^4 & 1934 &:= 2^9 + 3^6 - 6^2 + 9^3 \\
666 &:= -2^5 + 3^2 + 4^3 + 5^4 & 3098 &:= -3^3 + 5^5 \\
786 &:= -1^4 + 3^6 + 4^3 - 6^1 & 2280 &:= -1^1 - 2^6 + 4^5 + 5^2 + 6^4 \\
1933 &:= -1^3 - 2^2 + 3^7 - 4^4 + 7^1 & 6922 &:= -3^6 - 5^3 + 6^5
\end{aligned}$$

$$9711 := 1^3 + 2^4 + 3^8 + 4^2 + 5^5 - 8^1$$

$$11111 := -1^1 + 2^7 + 3^8 - 4^2 + 7^3 + 8^4.$$

$$9777 := 1^9 + 2^1 + 4^7 - 7^2 - 9^4$$

$$11110 := 1^1 + 2^2 + 3^9 - 5^6 + 6^5 - 9^3$$

The whole work is from 1 to 11111. For details refer [6].

1.2.2 Equal String Lengths

Based on second type still we can write natural numbers in a sequential way with uniform representations. Instead working with unequal strings as of previous section, here we worked with equal string using the digits 0 to 9, i.e., using all the 10 digits, {0,1,2,3,4,5,6,7,8,9}. The results obtained are symmetric, i.e., writing in 0 to 9 or 9 to 0, the resulting number is same. See some examples below,

$$201 := 0^3 + 1^9 + 2^4 + 3^7 - 4^8 + 5^1 + 6^6 + 7^5 + 8^2 + 9^0$$

$$212 := 0^5 + 1^7 - 2^8 - 3^9 + 4^1 + 5^6 + 6^0 + 7^3 + 8^4 + 9^2$$

$$202 := 0^0 + 1^9 + 2^6 + 3^8 - 4^7 + 5^5 + 6^3 + 7^2 + 8^1 + 9^4$$

$$213 := 0^5 + 1^8 - 2^7 - 3^9 + 4^1 + 5^6 + 6^3 + 7^0 + 8^4 + 9^2$$

$$203 := 0^3 - 1^9 + 2^4 + 3^7 - 4^8 + 5^0 + 6^6 + 7^5 + 8^2 + 9^1$$

$$214 := 0^5 + 1^7 - 2^8 - 3^9 + 4^0 + 5^6 + 6^1 + 7^3 + 8^4 + 9^2$$

$$204 := 0^8 + 1^9 + 2^5 + 3^7 - 4^6 + 5^1 + 6^4 + 7^2 + 8^0 + 9^3$$

$$215 := 0^5 + 1^9 + 2^8 + 3^7 - 4^6 + 5^0 + 6^4 + 7^2 + 8^3 + 9^1$$

$$205 := 0^3 + 1^9 + 2^4 + 3^7 - 4^8 + 5^0 + 6^6 + 7^5 + 8^2 + 9^1$$

$$216 := 0^1 - 1^7 + 2^8 - 3^9 + 4^5 + 5^6 + 6^0 + 7^4 + 8^3 + 9^2$$

$$206 := 0^7 - 1^9 - 2^5 - 3^8 + 4^6 + 5^1 + 6^3 + 7^4 + 8^0 + 9^2$$

$$217 := 0^7 - 1^9 + 2^5 - 3^8 + 4^6 + 5^2 + 6^3 + 7^4 + 8^1 + 9^0$$

$$207 := 0^8 + 1^9 + 2^5 + 3^7 - 4^6 + 5^0 + 6^4 + 7^2 + 8^1 + 9^3$$

$$218 := 0^1 + 1^7 + 2^8 - 3^9 + 4^5 + 5^6 + 6^0 + 7^4 + 8^3 + 9^2$$

$$208 := 0^7 + 1^9 - 2^5 - 3^8 + 4^6 + 5^1 + 6^3 + 7^4 + 8^0 + 9^2$$

$$219 := 0^7 + 1^9 + 2^5 - 3^8 + 4^6 + 5^2 + 6^3 + 7^4 + 8^1 + 9^0$$

$$209 := 0^7 - 1^9 - 2^5 - 3^8 + 4^6 + 5^0 + 6^3 + 7^4 + 8^1 + 9^2$$

$$220 := 0^7 + 1^9 + 2^5 - 3^8 + 4^6 + 5^2 + 6^3 + 7^4 + 8^0 + 9^1.$$

$$210 := 0^5 - 1^7 - 2^8 - 3^9 + 4^1 + 5^6 + 6^0 + 7^3 + 8^4 + 9^2$$

$$211 := 0^7 + 1^9 - 2^5 - 3^8 + 4^6 + 5^0 + 6^3 + 7^4 + 8^1 + 9^2$$

Below are more examples,

$$11080 := 0^8 + 1^9 + 2^7 + 3^6 + 4^2 + 5^5 + 6^0 + 7^1 + 8^3 + 9^4$$

$$11081 := 0^8 - 1^9 + 2^6 + 3^7 + 4^4 + 5^1 + 6^5 + 7^0 + 8^2 + 9^3$$

$$11082 := 0^8 + 1^9 + 2^6 + 3^7 + 4^1 + 5^4 + 6^5 + 7^3 + 8^0 + 9^2$$

$$11083 := 0^8 + 1^9 + 2^6 + 3^7 + 4^4 + 5^1 + 6^5 + 7^0 + 8^2 + 9^3$$

$$11084 := 0^7 + 1^9 + 2^8 + 3^6 + 4^1 + 5^5 + 6^0 + 7^3 + 8^2 + 9^4$$

$$11085 := 0^8 + 1^9 + 2^6 + 3^7 + 4^4 + 5^0 + 6^5 + 7^1 + 8^2 + 9^3$$

$$11086 := 0^7 + 1^9 + 2^8 + 3^6 + 4^0 + 5^5 + 6^1 + 7^3 + 8^2 + 9^4$$

$$11087 := 0^6 + 1^9 - 2^8 + 3^7 + 4^2 + 5^4 + 6^5 + 7^0 + 8^1 + 9^3.$$

The whole work is from 1 to 11111. For details refer [7].

Analysing the procedures given in sections 1.1 and 1.2, we observe that in section 1.1, all the 9 digits are used in increasing and decreasing ways to bring natural numbers, where each digit appears only once. In this case, the operations used are, **addition, subtraction, multiplication, division, potentiation, factorial and square-root**. The section 1.2 works with representations of natural numbers written in a way that we use each digit twice, where **bases** and **exponents** are of same digits with different permutations. Subsection 1.2.1 choose the digits from 1 to 9, according to necessity, while subsection 1.2.2 works with all the 10 digits, i.e., 0 to 9, along with the operations of **addition** and **subtraction**.

1.3 Third Way: Single Digit Representations

In [1], author wrote natural numbers 1 to 1000 using single digit in each case. For example,

$$717 := (1+1)^{11} - 11^{(1+1+1)}$$

$$:= 22^2 + 222 + 22/2$$

$$:= 3^{(3+3)} - 3 - 3 \times 3$$

$$:= 4 \times (4 \times 44 + 4) - 4 + 4/4$$

$$:= (55 \times (55 + 5 + 5) + 5 + 5)/5$$

$$:= (6 \times 6 / (6 + 6))^6 - 6 - 6$$

$$:= 777 - 7 \times 7 - 77/7$$

$$:= 8 \times 88 + (88 + 8 + 8)/8$$

$$:= 9 \times 9 \times 9 - (99 + 9)/9.$$

$$995 := (11 - 1)^{(1+1+1)} - (11 - 1)/(1 + 1)$$

$$:= 22 + 2 \times (22^2 + 2) + 2/2$$

$$:= 3 \times 333 - 3 - 3/3$$

$$:= 4 \times (4^4 - 4 - 4) + 4 - 4/4$$

$$:= 5 \times (5 + 5) \times (5 \times 5 - 5) - 5$$

$$:= 666 + 6 \times 66 - 66 - 6/6$$

$$:= (7 + 7) \times (77 - 7) + 7 + 7 + 7/7$$

$$:= 888 + 88 + 8 + 88/8$$

$$:= 999 - (9 + 9 + 9 + 9)/9.$$

$$786 := ((1 + 1 + 1)^{(1+1+1)} + 1)^{(1+1)} + 1 + 1$$

$$:= (22 + 2 + 2 + 2)^2 + 2$$

$$:= 33 \times (3^3 - 3) - 3 - 3$$

$$:= 4 \times (4 \times (44 + 4) + 4) + (4 + 4)/4$$

$$:= 5 + (5^5 - 5/5)/(5 - 5/5)$$

$$:= 66 \times (6 + 6) - 6$$

$$:= 777 + 7 + (7 + 7)/7$$

$$:= 8 \times (88 + 8) + 8 + (88 - 8)/8$$

$$:= 9 \times 99 - 99 - 9 + (9 + 9 + 9)/9$$

$$1000 := (11 - 1)^{(1+1+1)}$$

$$:= 2 \times (22^2 + 2^{(2+2)})$$

$$:= (3 \times 3 + 3/3)^3$$

$$:= 4 \times (4^4 - 4) - 4 - 4$$

$$:= 5 \times (5 + 5) \times (5 \times 5 - 5)$$

$$:= ((66 - 6)/6)^{(6 \times 6 / (6 + 6))}$$

$$:= (7 + 7 + 7 - 7/7) \times (7 \times 7 + 7/7)$$

$$:= 888 + 88 + 8 + 8 + 8$$

$$:= 999 + 9/9.$$

Values are calculated up to 1.000.000 (.txt file), but the work is written only from 0 to 1000. For details, refer Taneja [9]. For recent extension to 20000 in four parts refer Taneja [10, 11, 12]. This is a third part from 10001-15000.

1.4 Forth Way: Single Letter Representations

We observe that the numbers written in previous section 1.3 are in terms of each digit, not necessarily symmetric. But there are numbers, that can be written in a symmetric way, see examples below:

$$5 = \frac{11-1}{1+1} = \frac{22-2}{2+2} = \frac{33-3}{3+3} = \frac{44-4}{4+4} = \frac{55-5}{5+5} = \frac{66-6}{6+6} = \frac{77-7}{7+7} = \frac{88-8}{8+8} = \frac{99-9}{9+9}.$$

$$6 = \frac{11+1}{1+1} = \frac{22+2}{2+2} = \frac{33+3}{3+3} = \frac{44+4}{4+4} = \frac{55+5}{5+5} = \frac{66+6}{6+6} = \frac{77+7}{7+7} = \frac{88+8}{8+8} = \frac{99+9}{9+9}.$$

$$55 = \frac{111-1}{1+1} = \frac{222-2}{2+2} = \frac{333-3}{3+3} = \frac{444-4}{4+4} = \frac{555-5}{5+5} = \frac{666-6}{6+6} = \frac{777-7}{7+7} = \frac{888-8}{8+8} = \frac{999-9}{9+9}.$$

$$56 = \frac{111+1}{1+1} = \frac{222+2}{2+2} = \frac{333+3}{3+3} = \frac{444+4}{4+4} = \frac{555+5}{5+5} = \frac{666+6}{6+6} = \frac{777+7}{7+7} = \frac{888+8}{8+8} = \frac{999+9}{9+9}.$$

Motivated by this idea, instead working for each digit separately, we can work with a **single letter "a"**, for example,

• Running-Type

$$5 := (aa - a)/(a + a)$$

$$6 := (aa + a)/(a + a)$$

$$55 := (aaa - a)/(a + a)$$

$$56 := (aaa + a)/(a + a)$$

$$561 := (aaaa + aa)/(a + a)$$

$$666 := aaa \times (aa + a)/((a + a) \times a)$$

$$\begin{aligned}
 925 &:= (aaaaa - aa)/(aa + a) & 4477 &:= (aaa/(a + a + a) \times aa \times aa)/(a \times a) \\
 1089 &:= (aaaa - aa - aa)/a & 4999 &:= (aaaaa - aaaa - a - a)/(a + a) \\
 1991 &:= (aaaaaa/aaa \times (a + a) - aa)/a & 5000 &:= (aaaaa - aaaa)/(a + a). \\
 2020 &:= (aaaaa - a)/aa \times (a + a)/a \\
 2035 &:= (aaaa - a)/(a + a + a) \times aa/(a + a)
 \end{aligned}$$

• Fraction-Type

$$\begin{aligned}
 5 &:= \frac{aa - a}{a + a} & 1991 &:= \frac{\frac{aaaaaaa}{aaa} \times (a + a) - aa}{aaa} \\
 6 &:= \frac{aa + a}{a + a} & 2020 &:= \frac{\frac{aaaaa - a}{aa} \times (a + a)}{aa} \\
 55 &:= \frac{aaa - a}{a + a} & 2035 &:= \frac{\frac{aaaa - a}{a + a + a} \times aa}{a + a} \\
 56 &:= \frac{aaa + a}{a + a} & 4477 &:= \frac{\frac{aaaa - a}{a + a + a} \times aa \times aa}{a \times a} \\
 561 &:= \frac{aaaa + aa}{a + a} & 4999 &:= \frac{(aaaaa - aaaa - a - a)}{(a + a)} \\
 666 &:= \frac{aaa \times (aa + a)}{(a + a) \times a} & 5000 &:= \frac{(aaaaa - aaaa)}{(a + a)} \\
 786 &:= \frac{(\frac{aa + a}{a} \times aa - a) \times (aa + a)}{(a + a) \times a} & 122988 &:= \frac{(aaaa - a - a - a) \times aaa}{a \times a} \\
 925 &:= \frac{aaaaa - aa}{aa + a} \\
 1089 &:= \frac{aaaa - aa - aa}{a}
 \end{aligned}$$

where $a \in \{1, 2, 3, 4, 5, 6, 7, 8, 9\}$, and $aa = 10 \times a + a$, $aaa = 10^2 \times a + 10 \times a + a$, etc.

The full work is from 1 to 11111 numbers, written in two different ways. One running type [16] and another in fraction-type way [17]. For previous work refer [13, 14]. The summary of author’s work on recreation of numbers in different situations refer [23].

1.5 Running Expressions

Previous subsections, works with natural numbers in different situations using 9 or 10 digits. In this section also we shall do similar kind of work, but in little different way. It is based on the idea of subsection 1.1. We divide the numbers in equal parts, two or three in such a way that the results are increasing and decreasing orders 1 to 9 or 9 to 1 or 9 to 0 separated by equalities, for example,

$$\begin{aligned}
 1^{234} &= (5 + 67)/(8 \times 9) \\
 98/7 + 6 &= 54/3 + 2 \times 1.
 \end{aligned}$$

Below are more examples, written in increasing and decreasing ways:

• Increasing Order

$$\begin{aligned}
 12 &= 3 + 4 + (5 \times 6 + 7 + 8)/9 & (1) \\
 123 &= 4 + 5 + 6 \times 7 + 8 \times 9 \\
 1234 &= -5 + 6! + 7 + 8^{\sqrt{9}}
 \end{aligned}$$

$$\begin{aligned}
 12 + 3 \times 4 + 5 \times (6 + 7) &= 89 \\
 1 + 23 + 45 + 6! &= 789
 \end{aligned}$$

• Decreasing Order

$$98 - 7 \times (6 + 5) \times (4 - 3) = \mathbf{21} \quad (2)$$

$$\sqrt{9} \times 87 + 6 + 54 = \mathbf{321}$$

$$9 - 8 + 7! - 6 \times 5! = \mathbf{4321}$$

$$9 - 8 + 7 - 6 + 5 + 4 - 3 + 2 = \mathbf{10}$$

$$9 \times (8 + 7) + 6 + 5 + 4^3 = \mathbf{210}$$

$$(9 - 87 + 6!) \times 5! / 4! = \mathbf{3210}$$

$$\mathbf{98} = (7 + 6) \times 5 + 4 \times 3 + 21$$

$$\mathbf{987} = 6! + 5! + (4 + 3) \times 21$$

$$\mathbf{98} = 7 + 65 + 4 + 32 - 10$$

$$\mathbf{987} = 6! + 54 + 3 + 210$$

Above examples give representations separated by equality sign having the digits in either increasing and/or decreasing orders. There are numbers that can be written in increasing as well as decreasing orders at the same time with single or double equality signs, such as

$$\begin{aligned} \mathbf{16} &:= 12/3 \times 4 = 5 + 6 + (7 + 8)/\sqrt{9} \\ &:= (9 + 87)/6 = 5 + 4 + 3 \times 2 + 1 \end{aligned}$$

$$\begin{aligned} \mathbf{18} &= 12 + 3! = \sqrt{4 + 5} \times 6 = 7 + 8 + \sqrt{9} \\ &= \sqrt{9} + 8 + 7 = \sqrt{6 \times 54} = -3 + 21 = 3! + 2 + 10 \end{aligned}$$

$$\begin{aligned} \mathbf{120} &:= (1 \times 2 + 3)! = 4 \times 5 \times 6 = ((7 + 8)/\sqrt{9})! \\ &:= ((\sqrt{9})! - 8 + 7)! = 6 \times 5 \times 4 = (3 \times 2 - 1)! = 3! \times 2 \times 10 \end{aligned} \quad (3)$$

The above three examples divide the numbers in two and three parts respectively with equality signs using the numbers in increasing as well as decreasing orders. From the examples (1), (2) and (3), we observe that the operations used are **addition, subtraction, multiplication, division, potentiation, factorial** and **square-root**. More details can be seen in [23, 19, 20]. In this work, our interest is to found examples similar to (1), (2) and (3), using **Fibonacci sequence** values.

1.5.1 Running Expressions with Fibonacci Sequence

Fibonacci sequence numbers are well known in literature. This sequence is defined as

$$F(0) = 0, \quad F(1) = 1, \quad F(n+1) = F(n) + F(n-1), \quad n \geq 1.$$

Similar to (1) and (2), given above, below are examples of running expressions using **Fibonacci sequence** numbers. Most of the results uses basic operations, except numbers 21 and 9876, where extra operation, such as factorial is used.

- **Increasing Order**

$$\begin{aligned} 12 &= F(3) \times F(4) \times F(5) + 6 - 7 - 8 - 9 \\ 123 &= -4 \times 5 \times (6 - F(7)) - 8 - 9 \\ 1234 &= 5 \times F(6) \times F(7) + F(8) \times F(9) \end{aligned} \quad (4)$$

$$\begin{aligned} 1 + F(2^3 + F(4)) + (5 - 6)^7 &= 89 \\ 1 \times 2 \times 3^4 \times 5 - F(F(6)) &= 789 \\ 1 + 23 + F(4 \times 5) &= 6789. \end{aligned}$$

- **Decreasing Order**

$$\begin{aligned} 9 + (-F(8)/7 + 6) \times 5 - F(4)! + 3 &= 21 \\ -98 - F(7) + F(6) \times 54 &= 321 \\ (F(9) \times F(8) + 7) \times 6 - 5 &= 4321 \end{aligned} \quad (5)$$

$$98 = (7 - 6) \times 5 + F(4) \times (32 - 1)$$

$$987 = (6 - 5) \times F(4 \times (3 + 2 - 1))$$

$$98 = -5 - 4 - 3 + 2 \times F(10)$$

$$987 = (6 - 5)^4 \times F(3 \times 2 + 10)$$

$$9876 = (\sqrt{5+4})! + F(F(3!) \times 2) \times 10$$

More details can be seen in Taneja [21].

1.5.2 Running Expressions with Triangular Numbers

Triangular numbers are very much famous in the literature of mathematics. These are given by

$$1, 3, 6, 10, 15, 21, \dots$$

The general formula to write these numbers is given by

$$T(n) = 1 + 2 + 3 + \dots = \frac{n+1}{2} = C(n+1, 2)$$

The letter "C" represents as "**binomial coefficient**".

In this paper our aim is to bring **running expressions** by use of **triangle numbers**. This we have done in subsequent sections. Due to high quantity of numbers, we the work is limited to 3 digits in case of single equality. As a part of results, see below some interesting examples,

- **Increasing Order**

$$12 = T(3) - 4 - 5 + 6 - (7 - 8) \times 9 \quad (6)$$

$$123 = (-4 + 5) \times 6 + T(7) + 89$$

$$1234 = T(56 \times 7/8) + 9$$

$$1 + 2 + T(3) \times 4 - 5 + 67 = 89$$

$$1 + 2 + T(3) + T(45 - 6) = 789$$

$$-1 - 2 + T(3) + T(-4 + T(T(5))) = 6789.$$

• Decreasing Order

$$9 \times 8 - T(7) - T(6) + 5 - 4 - 3 = 21 \quad (7)$$

$$T(9 + 8) - 7 \times 6 + T(5 \times 4) = 321$$

$$(-T(9) + T(T(8))) \times 7 - T(6) - 5 = 4321$$

$$98 = (7 - 6) \times 5^4 - T(32) + 1$$

$$987 = T(6) \times (5 \times T(4) - 3) \times (2 - 1)$$

$$9876 = T(5 \times T(4 + 3)) + T(2 + 1)$$

$$98 = (7 - 6) \times T(5) - 4 + 32 + T(10) \quad (8)$$

$$987 = (6 - 5) \times 4 \times (T(T(T(3))) + 2) + T(10)$$

$$9876 = (-5 + T(T(T(4)))) \times T(3) + T(T(-2 + 10))$$

$$9 \times 8 - T(7) - T(6) - T(5) - 4 + 3 \times 2 = 10$$

$$T(9) + 87 \times (6 - 5) + T(4 \times 3) = 210$$

$$T(9) + 8 + 7 + T(6) \times T(5) \times T(4) = 3210$$

More details can be seen in Taneja [22].

2 Single Digit Representations From 1 to 20000

The whole work brings numbers 1 to 10000 written in terms of single digits. Since, it is not possible to put all the numbers in single work, we divided it in four parts as given below:

- Part I: From 0001 to 5000; [10];
- Part II: From 5001 to 10000; [11];
- Part III: From 10001 to 15000;
- Part IV: From 15000 to 20000 [12].

This paper brings third part giving **single digit representations** of natural numbers from 10001 to 15000. For other parts refer [10, 11, 12].

Remark 2.1. *Due to high quantity of numbers there are so many extra brackets. After simplifications, these unnecessary brackets can be removed easily.*

2.1 Single Digit Representation: 10001-15000

This subsection brings the first part of the whole project. Here, the numbers are represented from 10001 to 15000 in terms of different digits.

$$\blacktriangleright 10001 := 1 + ((11 - 1)^{1+1+1+1})$$

$$:= 2/2 + ((2 \times (2 + 2) + 2)^{2+2})$$

$$:= 3 + (3 \times 3333 - 3/3)$$

$$:= 4/4 + (((44 - 4)/4)^4)$$

$$:= 5/5 + (((5 + 5)^{5-5/5})$$

$$:= 6/6 + (((66 - 6)/6)^{6-(6+6)/6})$$

$$:= 7/7 + (((77 - 7)/7)^{7/7-7})$$

$$:= 8/8 + (((8 + 8)/8) + 8)^{8 \times 8/(8+8)}$$

$$:= ((9 + 9)/9) + 9999$$

$$\blacktriangleright 10006 := ((11 - 1 - 1) \times (1 + 1111)) - (1 + 1)$$

$$:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 2) + 2)$$

$$:= 3 + ((3 \times 3333 + 3/3) + 3)$$

$$:= 4 + (((44 - 4)/4)^4) + ((4 + 4)/4)$$

$$:= 5 + (((5 + 5)^{5-5/5}) + 5/5)$$

$$:= 6 + (((66 - 6)/6)^{6-(6+6)/6})$$

$$:= 7 + (((7 + 7)/7 + 7) \times (7777/7))$$

$$:= 8 + (((8/8 + 8) \times ((8888 - 8)/8)) + 8)$$

$$:= 9 + (9999 - ((9 + 9)/9))$$

$$\blacktriangleright 10002 := 1 + (1 + ((11 - 1)^{1+1+1+1}))$$

$$:= 2 + ((2 \times (2 + 2) + 2)^{2+2})$$

$$:= 3 + 3 \times 3333$$

$$:= ((4 + 4)/4) + (((44 - 4)/4)^4)$$

$$:= ((5 + 5)/5) + ((5 + 5)^{5-5/5})$$

$$:= 66 + (6 \times (6 \times (6 \times 6 \times 6 - 6 + 66)))$$

$$:= 7 + ((7 \times ((7 \times ((7 + 7) \times (7 + 7) + 7)) + 7)) - 7/7)$$

$$:= ((8 + 8)/8) + (((8 + 8)/8) + 8)^{8 \times 8/(8+8)}$$

$$:= 9999 + ((9 + 9 + 9)/9)$$

$$\blacktriangleright 10007 := ((11 - 1 - 1) \times (1 + 1111)) - 1$$

$$:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 2/2) + 2) + 2)$$

$$:= (3 \times (3333 + 3)) - 3/3$$

$$:= 4 + (((44 - 4)/4)^4) - 4/4 + 4)$$

$$:= 5 + (((5 + 5)^{5-5/5}) + ((5 + 5)/5))$$

$$:= 6 + (((66 - 6)/6)^{6-(6+6)/6}) + 6/6)$$

$$:= 7 + (((77 - 7)/7)^{7/7-7})$$

$$:= 8 + ((8/8 + 8) \times (8888/8))$$

$$:= 9 + (9999 - 9/9)$$

$$\blacktriangleright 10003 := 1 + (1 + (1 + ((11 - 1)^{1+1+1+1})))$$

$$:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 2/2)$$

$$:= 3 + (3 \times 3333 + 3/3)$$

$$:= 4 + (((44 - 4)/4)^4) - 4/4)$$

$$:= 5 + (((5 + 5)^{5-5/5}) - ((5 + 5)/5))$$

$$:= 66 + ((6 \times (6 \times (6 \times 6 \times 6 - 6 + 66))) + 6/6)$$

$$:= 7 + (7 \times ((7 \times ((7 + 7) \times (7 + 7) + 7)) + 7))$$

$$:= 8 + (((88 + 8) \times (88 + 8 + 8)) + (88/8))$$

$$:= 9999 + (((9 \times 9) - 9)/(9 + 9))$$

$$\blacktriangleright 10008 := (11 - 1 - 1) \times (1 + 1111)$$

$$:= 2 \times (2 \times (((2 \times (22 + 2)) + 2)^2) + 2)$$

$$:= 3 \times (3333 + 3)$$

$$:= 4 + (((44 - 4)/4)^4) + 4)$$

$$:= 5 + (((5 + 5)^{5-5/5}) - ((5 + 5)/5) + 5)$$

$$:= (6 + 6) \times (((66 \times (6 + 6)) + (6 \times 6)) + 6)$$

$$:= ((7 + 7)/7 + 7) \times ((7777 + 7)/7)$$

$$:= 8 + (((8 + 8)/8) + 8)^{8 \times 8/(8+8)}$$

$$:= 9 + 9999$$

$$\blacktriangleright 10004 := 1 + (1 + (1 + (1 + ((11 - 1)^{1+1+1+1}))))$$

$$:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 2)$$

$$:= 3 + ((3 \times 3333 - 3/3) + 3)$$

$$:= 4 + (((44 - 4)/4)^4)$$

$$:= 5 + (((5 + 5)^{5-5/5}) - 5/5)$$

$$:= 6 + (((66 - 6)/6)^{6-(6+6)/6}) - ((6 + 6)/6)$$

$$:= 7 + ((7 \times ((7 \times ((7 + 7) \times (7 + 7) + 7)) + 7)) + 7/7)$$

$$:= 8 + (((88 + 8) \times (88 + 8 + 8)) + ((88 + 8)/8))$$

$$:= 9999 + ((9 \times 9 + 9)/(9 + 9))$$

$$\blacktriangleright 10009 := 1 + ((11 - 1 - 1) \times (1 + 1111))$$

$$:= (22/2) + (((2 \times (2 + 2) + 2)^{2+2}) - 2)$$

$$:= 3/3 + (3 \times (3333 + 3))$$

$$:= 4 + (((44 - 4)/4)^4) + 4/4 + 4)$$

$$:= 5 + (((5 + 5)^{5-5/5}) - 5/5) + 5)$$

$$:= 6/6 + ((6 + 6) \times (((66 \times (6 + 6)) + (6 \times 6)) + 6))$$

$$:= (((7 - 7/7) + 7) \times (777 - 7)) - 7/7$$

$$:= 8 + (((8 + 8)/8) + 8)^{8 \times 8/(8+8)} + 8/8)$$

$$:= 9 + (9999 + 9/9)$$

$$\blacktriangleright 10005 := 1 + (1 + (1 + (1 + (1 + ((11 - 1)^{1+1+1+1}))))))$$

$$:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 2/2) + 2)$$

$$:= 3 + ((3 \times 3333) + 3)$$

$$:= 4 + (((44 - 4)/4)^4) + 4/4)$$

$$:= 5 + ((5 + 5)^{5-5/5})$$

$$:= 6 + (((6 \times 6/(6 + 6)) + 6) \times (6666/6))$$

$$:= 7 + (((((7 + 7)/7)^7) \times (7/7 + 77)) + 7) + 7)$$

$$:= (88 - 8/8) \times (((88/8) + 88) + 8) + 8)$$

$$:= 9 + (9999 - ((9 + 9 + 9)/9))$$

$$\blacktriangleright 10010 := 11 + ((11 - 1 - 1) \times 1111)$$

$$:= 22 \times (2 \times 222 + 22/2)$$

$$:= (33/3) + 3 \times 3333$$

$$:= ((44 - 4)/4) + (((44 - 4)/4)^4)$$

$$:= 5 + (((5 + 5)^{5-5/5}) + 5)$$

$$:= (((6 + 6)/6)^6) + 6 \times (((6 + 6) \times (6 + 6)) - 6/6)$$

$$:= ((7 - 7/7) + 7) \times (777 - 7)$$

$$:= 88/8 + ((8/8 + 8) \times (8888/8))$$

$$:= (99/9) + 9999$$

- **10011** := $11 + ((11 - 1)^{1+1+1+1})$
:= $(22/2) + ((2 \times (2 + 2) + 2)^{2+2})$
:= $3 + (3 \times (3333 + 3))$
:= $(44/4) + (((44 - 4)/4)^4)$
:= $(55/5) + ((5 + 5)^{5-5/5})$
:= $(66/6) + (((66 - 6)/6)^{6-(6+6)/6})$
:= $7/7 + (((7 - 7/7) + 7) \times (777 - 7))$
:= $88/8 + (((8 + 8)/8) + 8)^{8 \times 8/(8+8)}$
:= $9999 + ((99 + 9)/9)$
- **10012** := $1 + (11 + ((11 - 1)^{1+1+1+1}))$
:= $2 + (22 \times (2 \times 222 + 22/2))$
:= $3 + (3 \times (3333 + 3) + 3/3)$
:= $4 + (((((44 - 4)/4)^4) + 4) + 4)$
:= $((55 + 5)/5) + ((5 + 5)^{5-5/5})$
:= $6 + (((((66 - 6)/6)^{6-(6+6)/6}) + 6)$
:= $((7 + 7)/7) + (((7 - 7/7) + 7) \times (777 - 7))$
:= $((88 + 8)/8) + (((8 + 8)/8) + 8)^{8 \times 8/(8+8)}$
:= $9999 + ((99 + 9 + 9)/9)$
- **10013** := $1 + (1 + (11 + ((11 - 1)^{1+1+1+1})))$
:= $2 + (((2 \times (2 + 2) + 2)^{2+2}) + (22/2))$
:= $3 + (3 \times 3333 + 33/3)$
:= $4 + (((((44 - 4)/4)^4) + 4/4) + 4) + 4$
:= $((5 + 5)^{5-5/5}) + ((55 + 5 + 5)/5)$
:= $6 + (((((66 - 6)/6)^{6-(6+6)/6}) + 6/6) + 6)$
:= $7 + (((7 + 7)/7 + 7) \times (7777/7)) + 7$
:= $888888/88 - 88$
:= $9 + (((9 \times 9 + 9)/(9 + 9)) + 9999)$
- **10014** := $1 + (1 + (1 + (11 + ((11 - 1)^{1+1+1+1}))))$
:= $(2^{2+2}) + (((2 \times (2 + 2) + 2)^{2+2}) - 2)$
:= $3 + ((3 \times (3333 + 3)) + 3)$
:= $4 + (((44 - 4)/4)^4) + ((44 - 4)/4)$
:= $5 + (((((5 + 5)^{5-5/5}) - 5/5) + 5) + 5)$
:= $6 + ((6 + 6) \times (((66 \times (6 + 6)) + (6 \times 6)) + 6))$
:= $7 + (((77 - 7)/7)^{77/7-7}) + 7$
:= $8 + (((8/8 + 8) \times ((8888 - 8)/8)) + 8) + 8$
:= $9 + ((9999 - ((9 + 9 + 9)/9)) + 9)$
- **10015** := $((11 - 1 - 1) \times (1 + 1 + 1111)) - (1 + 1)$
:= $2 + (((2 \times (2 + 2) + 2)^{2+2}) + (22/2)) + 2$
:= $3 + ((3 \times (3333 + 3) + 3/3) + 3)$
:= $4 + (((44 - 4)/4)^4) + 44/4$
:= $5 + (((5 + 5)^{5-5/5}) + 5) + 5$
:= $6 + (((6 + 6) \times (((66 \times (6 + 6)) + (6 \times 6)) + 6)) + 6/6)$
:= $7 + (((7 + 7)/7 + 7) \times (7777 + 7)/7)$
:= $8 + (((8/8 + 8) \times (8888/8)) + 8)$
:= $9 + ((9999 - ((9 + 9)/9)) + 9)$
- **10016** := $((11 - 1 - 1) \times (1 + 1 + 1111)) - 1$
:= $(2^{2+2}) + ((2 \times (2 + 2) + 2)^{2+2})$
:= $(3 \times (3333 + 3 + 3)) - 3/3$
:= $4 \times ((4 \times ((4/4 + 4)^4)) + 4)$
:= $(55/5 + 5) \times ((5^5 + 5)/5)$
:= $6 + (((((6 + 6)/6)^6) + 6) \times (((6 + 6) \times (6 + 6)) - 6/6))$
:= $7 + (((7 - 7/7) + 7) \times (777 - 7)) - 7/7$
:= $8 + (((((8 + 8)/8) + 8)^{8 \times 8/(8+8)}) + 8)$
:= $9 + ((9999 - 9/9) + 9)$
- **10017** := $(11 - 1 - 1) \times (1 + 1 + 1111)$
:= $(2/2 + 2)^2 \times (2222/2 + 2)$
:= $3 \times (3333 + 3 + 3)$
:= $4 \times 4 + (((44 - 4)/4)^4) + 4/4$
:= $5 + (((5 + 5)^{5-5/5}) + ((55 + 5)/5))$
:= $6 + (((((66 - 6)/6)^{6-(6+6)/6}) + (66/6))$
:= $7 + (((7 - 7/7) + 7) \times (777 - 7))$
:= $(8/8 + 8) \times ((8888 + 8) + 8/8)$
:= $9 + (9999 + 9)$
- **10018** := $1 + ((11 - 1 - 1) \times (1 + 1 + 1111))$
:= $2 + (((2 \times (2 + 2) + 2)^{2+2}) + (2^{2+2}))$
:= $3/3 + (3 \times (3333 + 3 + 3))$
:= $4 \times 4 + (((44 - 4)/4)^4) + ((4 + 4)/4)$
:= $5 + (((5 + 5)^{5-5/5}) + ((55 + 5 + 5)/5))$
:= $6 + (((((66 - 6)/6)^{6-(6+6)/6}) + 6) + 6)$
:= $7 + (((7 - 7/7) + 7) \times (777 - 7)) + 7/7$
:= $8 + (((8/8 + 8) \times (8888/8)) + (88/8))$
:= $9 + ((9999 + 9/9) + 9)$
- **10019** := $11 + ((11 - 1 - 1) \times (1 + 1111))$
:= $2 + (((2/2 + 2)^2) \times (2222/2 + 2))$
:= $(33/3) + (3 \times (3333 + 3))$
:= $4 + (((44 - 4)/4)^4) + 44/4 + 4$
:= $5 \times 5 + (((5 + 5)^{5-5/5}) - (5/5 + 5))$
:= $(66/6) + ((6 + 6) \times (((66 \times (6 + 6)) + (6 \times 6)) + 6))$
:= $7 + (((7 - 7/7) + 7) \times (777 - 7)) + (7 + 7)/7$
:= $8 + (((((8 + 8)/8) + 8)^{8 \times 8/(8+8)}) + (88/8))$
:= $9 + (9999 + 99/9)$
- **10020** := $(11 - 1) \times (1 + (1 + ((11 - 1)^{1+1+1+1})))$
:= $22 + (((2 \times (2 + 2) + 2)^{2+2}) - 2)$
:= $3 + (3 \times (3333 + 3 + 3))$
:= $4 + (((44 - 4)/4)^4) + 4 \times 4$
:= $5 \times 5 + (((5 + 5)^{5-5/5}) - 5)$
:= $6 + (((6 + 6) \times (((66 \times (6 + 6)) + (6 \times 6)) + 6)) + 6)$
:= $7 + (((7 + 7)/7 + 7) \times (7777/7)) + 7 + 7$
:= $((88 + 8)/8 + 8) \times ((8 \times 8 \times 8) - 88/8)$
:= $9 + (9999 + ((99 + 9)/9))$

$$\begin{aligned}
\blacktriangleright 10021 &:= 1 + ((11 - 1) \times (1 + (1 + ((11 - 1)^{1+1+1})))) \\
&:= 22 + (((2 \times (2 + 2) + 2)^{2+2}) - 2/2) \\
&:= 3 + (3 \times (3333 + 3 + 3)) + 3/3 \\
&:= 4 + (((((44 - 4)/4)^4) + 4 \times 4) + 4/4) \\
&:= 5 + ((55/5 + 5) \times ((5^5 + 5)/5)) \\
&:= (66/6) \times ((6 \times (((6 + 6) \times (6 + 6)) + 6)) + (66/6)) \\
&:= 7 + (((((77 - 7)/7)^{77/7-7}) + 7) + 7) \\
&:= 8 + ((888888/88) - 88) \\
&:= 9999 + ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10022 &:= 11 + (11 + ((11 - 1)^{1+1+1+1})) \\
&:= 22 + ((2 \times (2 + 2) + 2)^{2+2}) \\
&:= 3 + (3 \times (3333 + 3)) + (33/3) \\
&:= (((44 - 4)/4)^4) + (44/((4 + 4)/4)) \\
&:= 5^5 + (55/5 \times ((5^5 + 5 + 5)/5)) \\
&:= 6 + ((((((6 + 6)/6)^6) + 6) \times (((6 + 6) \times (6 + 6)) - 6/6)) + 6) \\
&:= 7 + (((((7 + 7)/7 + 7) \times ((7777 + 7)/7)) + 7) \\
&:= ((8 + 8) \times (8 \times (88 - 8) - 8)) - (((8 + 8)/8) + 88) \\
&:= 9999 + (((99 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10023 &:= 1 + (11 + (11 + ((11 - 1)^{1+1+1+1}))) \\
&:= 22 + (((2 \times (2 + 2) + 2)^{2+2}) + 2/2) \\
&:= 3^3 + (3 \times 3333 - 3) \\
&:= (4/4 + 4^4) \times (44 - (4/4 + 4)) \\
&:= 5 \times 5 + (((5 + 5)^{5-5/5}) - ((5 + 5)/5)) \\
&:= 6 \times 6 + (((666 \times (6 \times 6 - 6)) - 6)/(6 + 6)/6)) \\
&:= ((7 - 7/7) + 7) \times ((777 - 7) + 7/7) \\
&:= 8 + (((8/8 + 8) \times (8888/8)) + 8) + 8) \\
&:= 9 + (((9999 - ((9 + 9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10024 &:= ((1 + 1) \times (1 + 11)) + ((11 - 1)^{1+1+1+1}) \\
&:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 22) \\
&:= 3^3 + ((3 \times 3333 - 3) + 3/3) \\
&:= 4 + (((((44 - 4)/4)^4) + 4 \times 4) + 4) \\
&:= 5 \times 5 + (((5 + 5)^{5-5/5}) - 5/5) \\
&:= 6 + ((((((66 - 6)/6)^{6-(6+6)/6}) + 6) + 6) + 6) \\
&:= 77 + (7 \times (7 \times (((7 + 7) \times (7 + 7)) + 7))) \\
&:= ((8 + 8) \times (8 \times (88 - 8) - 8)) - 88 \\
&:= 9 + (((9999 - ((9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10025 &:= ((11 - 1 - 1) \times (1 + (1 + 1 + 1111))) - 1 \\
&:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 22) + 2/2) \\
&:= 3^3 + (3 \times 3333 - 3/3) \\
&:= 4 + (((((44 - 4)/4)^4) + 4 \times 4) + 4/4) + 4) \\
&:= 5 \times 5 + ((5 + 5)^{5-5/5}) \\
&:= ((6 \times 6) - (66/6)) \times (((6 \times 66) - 6/6) + 6) \\
&:= 7/7 + ((7 \times (7 \times (((7 + 7) \times (7 + 7)) + 7))) + 77) \\
&:= 8 + ((8/8 + 8) \times (((8888 + 8) + 8)/8)) \\
&:= 9 + (((9999 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10026 &:= (11 - 1 - 1) \times (1 + (1 + 1 + 1111)) \\
&:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 22) + 2) \\
&:= 3 \times (3333 + 3 \times 3) \\
&:= 4 + (((((44 - 4)/4)^4) + (44/((4 + 4)/4))) \\
&:= 5 \times 5 + (((5 + 5)^{5-5/5}) + 5/5) \\
&:= 6 \times (((666 \times (6 \times 6 - 6))/(6 + 6)) + 6) \\
&:= 7 \times 7 + (((((7 + 7)/7)^7) \times (7/7 + 77)) - 7) \\
&:= (8/8 + 8) \times (((8888 + 8) + 8) + 8)/8) \\
&:= 9 + ((9999 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10027 &:= 1 + ((11 - 1 - 1) \times (1 + (1 + 1 + 1111))) \\
&:= ((2 \times 22 + 2) \times (222 - 2 - 2)) - 2/2 \\
&:= 3^3 + (3 \times 3333 + 3/3) \\
&:= 4 + ((4/4 + 4^4) \times (44 - (4/4 + 4))) \\
&:= 5 \times 5 + (((5 + 5)^{5-5/5}) + ((5 + 5)/5)) \\
&:= 6/6 + (6 \times (((666 \times (6 \times 6 - 6))/(6 + 6)) + 6)) \\
&:= (7 \times 7 \times 7) + ((77/7 + 7) \times ((7 \times 77) - 7/7)) \\
&:= 8 + (((((8 + 8)/8) + 8)^{8 \times 8/(8+8)}) + (88/8)) + 8) \\
&:= 9 + (((9999 + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10028 &:= 11 + ((11 - 1 - 1) \times (1 + 1 + 1111)) \\
&:= (2 \times 22 + 2) \times (222 - 2 - 2) \\
&:= 3 + ((3 \times 3333 - 3/3) + 3^3) \\
&:= 44 + (4 \times ((4 \times ((4/4 + 4)^4)) - 4)) \\
&:= 5 + (((5 + 5)^{5-5/5}) - ((5 + 5)/5)) + 5 \times 5) \\
&:= (((66 - 6)/6) + (6 \times 6)) \times ((6 \times 6 \times 6) + ((6 + 6)/6)) \\
&:= 7 + (((((77 - 7)/7)^{77/7-7}) + 7) + 7) + 7) \\
&:= 8 + (((88 + 8)/8) + 8) \times ((8 \times 8 \times 8) - 88/8)) \\
&:= 9 + ((9999 + 99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10029 &:= 1 + (11 + ((11 - 1 - 1) \times (1 + 1 + 1111))) \\
&:= 2/2 + ((2 \times 22 + 2) \times (222 - 2 - 2)) \\
&:= 3 + (3 \times 3333 + 3^3) \\
&:= 44 + ((4 \times ((4 \times ((4/4 + 4)^4)) - 4)) + 4/4) \\
&:= 5 + (((5 + 5)^{5-5/5}) - 5/5) + 5 \times 5) \\
&:= (666666/66) - (66 + 6) \\
&:= (7777/7) + (7 \times ((7 + 7) \times ((77 + 7) + 7))) \\
&:= 888888/88 - ((8 \times 8) + 8) \\
&:= 9 + ((9999 + (99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10030 &:= (11 - 1) \times (1 + (1 + (1 + ((11 - 1)^{1+1+1})))) \\
&:= 2 + ((2 \times 22 + 2) \times (222 - 2 - 2)) \\
&:= 3 + ((3 \times 3333 + 3^3) + 3/3) \\
&:= (4 \times (4 + 4)) + (((44 - 4)/4)^4) - ((4 + 4)/4) \\
&:= 5 + (((5 + 5)^{5-5/5}) + 5 \times 5) \\
&:= 6 \times 6 + (((66 - 6)/6)^{6-(6+6)/6}) - 6) \\
&:= ((7/7 + 77) + 7) \times ((777/7) + 7) \\
&:= ((8 + 8)/8) \times (((88 \times ((8 \times 8) - 8)) - 8/8) + 88) \\
&:= 9 + (((99 + 99)/9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10031 &:= (11 \times (((1+1)^{11-1}) - (1+111))) - 1 \\
&:= (2 \times (22 \times (((222+2)+2)+2))) - 2/2 \\
&:= 33 + (3 \times 3333 - 3/3) \\
&:= (4 \times (4+4)) + (((44-4)/4)^4) - 4/4 \\
&:= 5 + (((5+5)^{5-5/5}) + 5 \times 5) + 5/5 \\
&:= (6 \times (6 \times (6-6 \times 6))) + (66666/6) \\
&:= 7 + ((7 \times (7 \times (((7+7) \times (7+7)) + 7))) + 77) \\
&:= (88 \times (((888+88)/8) - 8)) - 8/8 \\
&:= 9 + (((99+99)+9)/9) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10032 &:= 11 \times (((1+1)^{11-1}) - (1+111)) \\
&:= 2 \times (22 \times (((222+2)+2)+2)) \\
&:= 33 + 3 \times 3333 \\
&:= 4 \times (((4 \times ((4/4+4)^4)) + 4) + 4) \\
&:= (((5+5)/5)^5) + ((5+5)^{5-5/5}) \\
&:= 66 \times ((6 \times 6 \times 6) - ((6+6)/6)^6) \\
&:= 77/7 \times (((((7+7)/7)^7) + 777) + 7) \\
&:= 88 \times (((888+88)/8) - 8) \\
&:= 9999 + (99/(9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10033 &:= 1 + (11 \times (((1+1)^{11-1}) - (1+111))) \\
&:= 22 + (((2 \times (2+2)+2)^{2+2}) + (22/2)) \\
&:= 3/3 + (3 \times 3333 + 33) \\
&:= 44 + (((44-4)/4)^4) - 44/4 \\
&:= 5^5 + (55/5 \times (((5^5 - (5+5))/5) + 5)) \\
&:= 6/6 + (66 \times ((6 \times 6 \times 6) - ((6+6)/6)^6)) \\
&:= 7 \times 7 + (((7+7)/7)^7) \times (7/7 + 77) \\
&:= ((8/8 - 88) + 8) \times (8/8 - (8 \times (8+8))) \\
&:= 9 + (((9999 - ((9+9)/9)) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10034 &:= 1 + (1 + (11 \times (((1+1)^{11-1}) - (1+111)))) \\
&:= 2 + (2 \times (22 \times (((222+2)+2)+2))) \\
&:= 3 + ((3 \times 3333 - 3/3) + 33) \\
&:= 44 + (((44-4)/4)^4) + ((4-44)/4) \\
&:= 5 + (((((5+5)^{5-5/5}) - 5/5) + 5 \times 5) + 5) \\
&:= ((6+6)/6) + (66 \times ((6 \times 6 \times 6) - ((6+6)/6)^6)) \\
&:= (7 \times (7 \times (((7+7)/7)^7) + 77)) - (77/7) \\
&:= 8 + ((8/8 + 8) \times (((8888+8)+8)+8)/8) \\
&:= 9 + (((9999 - 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10035 &:= (11 - 1 - 1) \times (1 + (1 + (1 + 1 + 1111))) \\
&:= ((2 \times 22) + 2/2) \times (222 + 2/2) \\
&:= 3 + (3 \times 3333 + 33) \\
&:= ((4/4 + 4) + 4) \times (4444/4 + 4) \\
&:= 5 + (((5+5)^{5-5/5}) + 5 \times 5) + 5 \\
&:= (666666/66) - 66 \\
&:= (((7+7)/7)^7) \times (((7+7)/7) + 77) - 77 \\
&:= 88/8 + (((8+8) \times (8 \times (88-8) - 8)) - 88) \\
&:= 9 + (((9999+9)+9)+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10036 &:= 1 + ((11 - 1 - 1) \times (1 + (1 + (1 + 1 + 1111)))) \\
&:= 2 \times ((22 \times (((222+2)+2)+2)) + 2) \\
&:= 3 + ((3 \times 3333 + 33) + 3/3) \\
&:= ((44-4) \times (4^4 - 4)) - 44 \\
&:= 5 \times 5 + (((5+5)^{5-5/5}) + (55/5)) \\
&:= 6 \times 6 + (((66-6)/6)^{6-(6+6)/6}) \\
&:= ((7-7/7) + 7) \times (((7+7)/7) - 7) + 777 \\
&:= ((88/((8+8)/8)) + 8) \times ((8 \times (8+8+8)) + 8/8) \\
&:= 9 + (((9999+9/9)+9)+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10037 &:= 11 + ((11 - 1 - 1) \times (1 + (1 + 1 + 1111))) \\
&:= 2 + (((2 \times 22) + 2/2) \times (222 + 2/2)) \\
&:= 3^3 + (3 \times 3333 + 33/3) \\
&:= 4/4 + (((44-4) \times (4^4 - 4)) - 44) \\
&:= 5 + (((5+5)^{5-5/5}) + (((5+5)/5)^5)) \\
&:= 6 + (66666/6 + (6 \times (6 \times (6-6 \times 6)))) \\
&:= 7 + (((7/7 + 77) + 7) \times ((777/7) + 7)) \\
&:= 888888/88 - (8 \times 8) \\
&:= 9 + (((9999+99/9)+9)+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10038 &:= 1 + (11 + ((11 - 1 - 1) \times (1 + (1 + 1 + 1111)))) \\
&:= (2 \times 22 - 2) \times (((22^2 - 2)/2) - 2) \\
&:= 3 + ((3 \times 3333 + 33) + 3) \\
&:= 44 + (((44-4)/4)^4) - (((4+4)/4) + 4) \\
&:= (5 \times 5^5) - (5555 + (((5+5)/5)^5)) \\
&:= 6 + (66 \times ((6 \times 6 \times 6) - ((6+6)/6)^6)) \\
&:= (7 \times (7 \times (((7+7)/7)^7) + 77)) - 7 \\
&:= 8/8 + ((888888/88) - (8 \times 8)) \\
&:= 9 + (((9999 + ((99+9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10039 &:= 11 + (11 + ((11 - 1 - 1) \times (1 + 1 + 1111))) \\
&:= 2 + (((2 \times 22) + 2/2) \times (222 + 2/2) + 2) \\
&:= 3 + (((3 \times 3333 + 33) + 3/3) + 3) \\
&:= 44 + (((44-4)/4)^4) - (4/4 + 4) \\
&:= 55 + ((55/5 + 5) \times ((5^5 - 5)/5)) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - ((6+6)/6)^6)) + 6/6) \\
&:= 7/7 + ((7 \times (7 \times (((7+7)/7)^7) + 77)) - 7) \\
&:= 888 + ((88 \times (88 + 8 + 8)) - 8/8) \\
&:= 9999 + (((9 \times (9 \times 9)) - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10040 &:= (11 - 1) \times (1 + (1 + (1 + (1 + ((11 - 1)^{1+1+1})))))) \\
&:= 2 \times ((2 \times 2222) + (22 + 2)^2) \\
&:= 33 + ((3 \times (3333 + 3)) - 3/3) \\
&:= 44 + (((44-4)/4)^4) - 4 \\
&:= (5+5) \times (((5-5/5)^5) - (5 \times 5)) + 5 \\
&:= ((6+6) \times 666) + (((6+6)/6)^{66/6}) \\
&:= 7 + (((7+7)/7)^7) \times (7/7 + 77) + (7 \times 7) \\
&:= 888 + (88 \times (88 + 8 + 8)) \\
&:= 9999 + (((9 \times (9 \times 9)) + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10041 &:= ((111 - 1)^{1+1}) - (11 + ((1 + 1)^{11})) \\
&:= (2^{22/2+2} + (((2 \times 22) - 2/2)^2)) \\
&:= 33 + (3 \times (3333 + 3)) \\
&:= 44 + (((((44 - 4)/4)^4) - 4) + 4/4) \\
&:= 5 \times 5 + ((55/5 + 5) \times ((5^5 + 5)/5)) \\
&:= 6 + ((666666/66) - 66) \\
&:= 77 + (((((7 + 7 + 7)/7)^7) + 7777) \\
&:= 8 + (((8/8 - 88) + 8) \times (8/8 - (8 \times (8 + 8)))) \\
&:= 9 + ((99/((9 + 9 + 9)/9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10042 &:= (11 \times (((1 + 1)^{11-1}) - 111)) - 1 \\
&:= (2 \times 22) + (((2 \times (2 + 2) + 2)^{2+2}) - 2) \\
&:= 3/3 + ((3 \times (3333 + 3)) + 33) \\
&:= 44 + (((((44 - 4)/4)^4) - ((4 + 4)/4)) \\
&:= 5 + (((((5 + 5)^{5-5/5}) + (((5 + 5)/5)^5)) + 5) \\
&:= 6 + (((((66 - 6)/6)^{6-(6+6)/6}) + (6 \times 6)) \\
&:= 7 \times 7 + (((((77 - 7)/7)^{77/7-7}) - 7) \\
&:= 888 + ((88 \times (88 + 8 + 8)) + ((8 + 8)/8)) \\
&:= (9 \times (9 + 9 + 9)) + ((99 \times 99) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10043 &:= 11 \times (((1 + 1)^{11-1}) - 111) \\
&:= ((22/2)^2) \times (((2/2 + 2)^{2+2}) + 2) \\
&:= 33 + (3 \times 3333 + 33/3) \\
&:= 44 + (((((44 - 4)/4)^4) - 4/4) \\
&:= 55 + (((5 + 5)^{5-5/5}) - ((55 + 5)/5)) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - 666)) - 6/6 \\
&:= ((77 - 7/7) + 7) \times (((((7 + 7)/7)^7) - 7) \\
&:= (88/8) \times (((888 + 8/8) + 8) + 8) + 8) \\
&:= (9 \times (9 + 9 + 9)) + ((99 \times 99) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10044 &:= 1 + (11 \times (((1 + 1)^{11-1}) - 111)) \\
&:= (2 \times 22) + ((2 \times (2 + 2) + 2)^{2+2}) \\
&:= 3 \times (3 \times (33 \times 33 + 3^3)) \\
&:= 44 + (((44 - 4)/4)^4) \\
&:= 55 + (((5 + 5)^{5-5/5}) - (55/5)) \\
&:= 6 \times ((6 \times ((6 \times 66) - 6)) - 666) \\
&:= (7 \times (7 \times (((7 + 7)/7)^7) + 77)) - 7/7 \\
&:= (8/8 + 8) \times (((8888 - 88)/8) + 8) + 8) \\
&:= 9 \times (((999 + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10045 &:= 1 + (1 + (11 \times (((1 + 1)^{11-1}) - 111))) \\
&:= 2 + (((22/2)^2) \times (((2/2 + 2)^{2+2}) + 2)) \\
&:= 3/3 + (3 \times (3 \times (33 \times 33 + 3^3))) \\
&:= 44 + (((((44 - 4)/4)^4) + 4/4) \\
&:= (5 \times (5^5 - 5)) - 5555 \\
&:= 6/6 + (6 \times ((6 \times ((6 \times 66) - 6)) - 666)) \\
&:= 7 \times (7 \times (((7 + 7)/7)^7) + 77) \\
&:= 8 + ((888888/88) - (8 \times 8)) \\
&:= 9/9 + ((9 \times (9 + 9 + 9)) + (99 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10046 &:= 1 + (1 + (1 + (11 \times (((1 + 1)^{11-1}) - 111)))) \\
&:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 2 \times 22) \\
&:= 3 + ((3 \times 3333 + 33/3) + 33) \\
&:= 44 + (((((44 - 4)/4)^4) + ((4 + 4)/4)) \\
&:= 5/5 + ((5 \times (5^5 - 5)) - 5555) \\
&:= 6 + (((((6 + 6)/6)^{66/6}) + ((6 + 6) \times 666)) \\
&:= 7/7 + (7 \times (7 \times (((7 + 7)/7)^7) + 77)) \\
&:= 8 \times 8 + (((88 + 8) \times (88 + 8 + 8)) - ((8 + 8)/8)) \\
&:= 9 + (((9999 + 99/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10047 &:= ((1 + 1)^{11}) + (((1 + 1) \times (11 - 1))^{1+1+1}) - 1 \\
&:= 2 + (((22/2)^2) \times (((2/2 + 2)^{2+2}) + 2)) + 2) \\
&:= 3 + (3 \times (3 \times (33 \times 33 + 3^3))) \\
&:= 4 + (((((44 - 4)/4)^4) - 4/4) + 44) \\
&:= ((5 + 5)/5) + ((5 \times (5^5 - 5)) - 5555) \\
&:= 6 + (((666666/66) - 66) + 6) \\
&:= ((7 + 7)/7) + (7 \times (7 \times (((7 + 7)/7)^7) + 77)) \\
&:= 8 \times 8 + (((88 + 8) \times (88 + 8 + 8)) - 8/8) \\
&:= 9 + (((9999 + ((99 + 9)/9)) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10048 &:= ((1 + 1)^{11}) + (((1 + 1) \times (11 - 1))^{1+1+1}) \\
&:= 2 \times (2 \times (((2 \times 22)^2) + (22 + 2)^2)) \\
&:= 3 + ((3 \times (3 \times (33 \times 33 + 3^3))) + 3/3) \\
&:= 4 + (((((44 - 4)/4)^4) + 44) \\
&:= (55/5 + 5) \times (((5^5 - (5 + 5))/5) + 5) \\
&:= 6 + (((((66 - 6)/6)^{6-(6+6)/6}) + (6 \times 6)) + 6) \\
&:= 7 \times 7 + (((7 + 7)/7 + 7) \times (7777/7)) \\
&:= 8 \times ((88 \times (8 + 8)) - ((8 \times 8) + 88)) \\
&:= 9999 + (((9 \times 99) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10049 &:= 1 + (((1 + 1)^{11}) + (((1 + 1) \times (11 - 1))^{1+1+1})) \\
&:= ((22 - (2/2 + 2)) \times ((22 + 2/2)^2)) - 2 \\
&:= 33 + ((3 \times (3333 + 3 + 3)) - 3/3) \\
&:= 4 + (((((44 - 4)/4)^4) + 44) + 4/4) \\
&:= 55 + (((5 + 5)^{5-5/5}) - (5/5 + 5)) \\
&:= (((6 \times 66) + 6) \times ((6 \times 6) - (66/6))) - 6/6 \\
&:= 7 \times 7 + (((77 - 7)/7)^{77/7-7}) \\
&:= 8/8 + (((88 + 8) \times (88 + 8 + 8)) + (8 \times 8)) \\
&:= 9999 + (((9 \times 99) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10050 &:= ((111 - 1)^{1+1}) - (1 + (1 + ((1 + 1)^{11}))) \\
&:= ((22 + 2/2) + 2) \times (((22 - 2)^2) + 2) \\
&:= 33 + (3 \times (3333 + 3 + 3)) \\
&:= 4 + (((((44 - 4)/4)^4) + ((4 + 4)/4)) + 44) \\
&:= 55 + (((5 + 5)^{5-5/5}) - 5) \\
&:= ((6 \times 66) + 6) \times ((6 \times 6) - (66/6)) \\
&:= 7 + (((77 - 7/7) + 7) \times (((7 + 7)/7)^7) - 7) \\
&:= 8 \times 8 + (((88 + 8) \times (88 + 8 + 8)) + ((8 + 8)/8)) \\
&:= (9 \times (9 + 9)) + (9999 - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10051 &:= ((111 - 1)^{1+1}) - (1 + ((1 + 1)^{11})) \\
&:= (22 - (2/2 + 2)) \times ((22 + 2/2)^2) \\
&:= 3/3 + ((3 \times (3333 + 3 + 3)) + 33) \\
&:= 4 + (((((44 - 4)/4)^4) - 4/4) + 44) + 4 \\
&:= 55 + (((5 + 5)^{5-5/5}) - 5) + 5/5 \\
&:= 6/6 + (((6 \times 66) + 6) \times ((6 \times 6) - (66/6))) \\
&:= 7 + ((7 \times (7 \times (((7 + 7)/7)^7) + 77)) - 7/7) \\
&:= ((88/8) + 8) \times (((8 \times 8 \times 8) + 8/8) + 8) + 8 \\
&:= ((99/9 + 9) \times (((9 + 9)/9)^9) - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10052 &:= ((111 - 1)^{1+1}) - ((1 + 1)^{11}) \\
&:= (((222 - 2)/2)^2) - (2^{22/2}) \\
&:= (33/3 + 3) \times ((3^{3+3}) - 33/3) \\
&:= 4 + (((((44 - 4)/4)^4) + 44) + 4) \\
&:= 55 + (((5 + 5)^{5-5/5}) - 5) + ((5 + 5)/5) \\
&:= ((6 + 6)/6) + (((6 \times 66) + 6) \times ((6 \times 6) - (66/6))) \\
&:= 7 + (7 \times (7 \times (((7 + 7)/7)^7) + 77)) \\
&:= (((88 + 8)/8) + 8) \times ((8 \times 8 \times 8) - (8/8 + 8)) - 8 \\
&:= 9 + (((99 \times 99) - 9/9) + (9 \times (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10053 &:= 1 + (((111 - 1)^{1+1}) - ((1 + 1)^{11})) \\
&:= 2 + ((22 - (2/2 + 2)) \times ((22 + 2/2)^2)) \\
&:= 3 \times (3333 + 3 \times (3 + 3)) \\
&:= (((44 - 4)/4)^4) + ((4^4 - 44)/4) \\
&:= 55 + (((5 + 5)^{5-5/5}) - ((5 + 5)/5)) \\
&:= ((6 \times 6/(6 + 6)) + 6) \times ((6666/6) + 6) \\
&:= 7 + ((7 \times (7 \times (((7 + 7)/7)^7) + 77)) + 7/7) \\
&:= (8/8 + 8) \times (((8888 - (8 + 8))/8) + 8) \\
&:= 9 + ((9 \times (9 + 9 + 9)) + (99 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10054 &:= 11 \times (1 + (((1 + 1)^{11-1}) - 111)) \\
&:= 22 \times ((2 \times 222 + 22/2) + 2) \\
&:= 3/3 + (3 \times (3333 + 3 \times (3 + 3))) \\
&:= 44 + (((44 - 4)/4)^4) + ((44 - 4)/4) \\
&:= 55 + (((5 + 5)^{5-5/5}) - 5/5) \\
&:= 66 + (((66 - 6)/6)^{6-(6+6)/6}) - (6 + 6) \\
&:= 77 + (((7 + 7)/7)^7) \times (7/7 + 77) - 7 \\
&:= 8 \times 8 + ((8/8 + 8) \times ((8888 - 8)/8)) \\
&:= 9999 + ((999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10055 &:= 1 + (11 \times (1 + (((1 + 1)^{11-1}) - 111))) \\
&:= 2 + (((22 - (2/2 + 2)) \times ((22 + 2/2)^2)) + 2) \\
&:= 3 + ((33/3 + 3) \times ((3^{3+3}) - 33/3)) \\
&:= 44 + (((44 - 4)/4)^4) + 44/4 \\
&:= 55 + ((5 + 5)^{5-5/5}) \\
&:= 6 + (((6 \times 66) + 6) \times ((6 \times 6) - (66/6))) - 6/6 \\
&:= (((7 + 7)/7 + 7) \times ((7777/7) + 7)) - 7 \\
&:= 8 \times 8 + (((8/8 + 8) \times (8888/8)) - 8) \\
&:= 9999 + ((999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10056 &:= 1 + (1 + (11 \times (1 + (((1 + 1)^{11-1}) - 111)))) \\
&:= (22 + 2) \times (((22 - 2/2)^2) - 22) \\
&:= 3 + (3 \times (3333 + 3 \times (3 + 3))) \\
&:= (4 \times (4 \times (((4/4 + 4)^4) + 4)) - (4 + 4) \\
&:= 55 + (((5 + 5)^{5-5/5}) + 5/5) \\
&:= 6 + (((6 \times 66) + 6) \times ((6 \times 6) - (66/6))) \\
&:= 7 + (((77 - 7)/7)^{77/7-7}) + (7 \times 7) \\
&:= 8 + (((88 + 8) \times (88 + 8 + 8)) + (8 \times 8)) \\
&:= 9999 + (((9 + 9)/9)^9) + 9/9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10057 &:= (1 + (1 + 111)) \times (111 - (11 + 11)) \\
&:= (2^{2 \times (2+2)}) + (((22/2)^2) - 22)^2 \\
&:= 3 + ((3 \times (3333 + 3 \times (3 + 3))) + 3/3) \\
&:= (444444/44) - 44 \\
&:= 55 + (((5 + 5)^{5-5/5}) + ((5 + 5)/5)) \\
&:= 6 + (((6 \times 66) + 6) \times ((6 \times 6) - (66/6))) + 6/6 \\
&:= 7 + (((77 - 7/7) + 7) \times (((7 + 7)/7)^7) - 7) + 7 \\
&:= (8/8 + 88) \times ((888 + 8) + 8)/8 \\
&:= (99 \times 99) + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10058 &:= 1 + ((1 + (1 + 111)) \times (111 - (11 + 11))) \\
&:= 2 + ((22 + 2) \times (((22 - 2/2)^2) - 22)) \\
&:= 3^3 + ((3 \times 3333 - 3/3) + 33) \\
&:= (((44 - 4)/4)^4) + (((4^4 - (4 + 4))/4) - 4) \\
&:= 5 + (((5 + 5)^{5-5/5}) - ((5 + 5)/5)) + 55 \\
&:= ((66/6) + (6 \times 6)) \times ((6 \times 6 \times 6) - ((6 + 6)/6)) \\
&:= (777/7) + (7 \times (7 \times (((7 + 7) \times (7 + 7)) + 7))) \\
&:= 8/8 + ((8/8 + 88) \times ((888 + 8) + 8)/8) \\
&:= 9 + (((9 \times 99) + 9)/(9 + 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10059 &:= 1 + (1 + ((1 + (1 + 111)) \times (111 - (11 + 11)))) \\
&:= (2/2 - 22) \times (((2/2 - 22)^2) + 2) + 2 \\
&:= 3^3 + (3 \times 3333 + 33) \\
&:= ((4^4 - 4)/4) + (((44 - 4)/4)^4) - 4 \\
&:= 5 + (((5 + 5)^{5-5/5}) - 5/5) + 55 \\
&:= (666666/66) - (6 \times 6 + 6) \\
&:= 7 + ((7 \times (7 \times (((7 + 7)/7)^7) + 77)) + 7) \\
&:= 8 + (((88/8) + 8) \times (((8 \times 8 \times 8) + 8/8) + 8) + 8) \\
&:= 9 \times 9 + (9999 - (((9 + 9)/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10060 &:= (11 - 1) \times (((11 - 1 - 1) \times (1 + 111)) - (1 + 1)) \\
&:= (2 - 22) \times ((2/2 - (22^2 + 22)) + 2) \\
&:= ((3/3 + 3)^3) + (3 \times 3333 - 3) \\
&:= (4 \times (4 \times (((4/4 + 4)^4) + 4)) - 4 \\
&:= 5 + (((5 + 5)^{5-5/5}) + 55) \\
&:= 66 + (((66 - 6)/6)^{6-(6+6)/6}) - 6 \\
&:= 7 + (((7 \times (7 \times (((7 + 7)/7)^7) + 77)) + 7/7) + 7) \\
&:= (((88 + 8)/8) + 8) \times ((8 \times 8 \times 8) - (8/8 + 8)) \\
&:= (99/9 + 9) \times (((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10061 &:= 1 + ((11 - 1) \times (((11 - 1 - 1) \times (1 + 111)) - (1 + 1))) \\
&:= 2 + ((2/2 - 22) \times (((2/2 - 22^2) + 2) + 2)) \\
&:= (3 \times ((3 \times 3 + 3 + 3)^3)) - ((3/3 + 3)^3) \\
&:= 4/4 + ((4 \times (4 \times ((4/4 + 4)^4) + 4)) - 4) \\
&:= 5 + (((5 + 5)^{5-5/5}) + 55) + 5/5 \\
&:= (66/6) + (((6 \times 66) + 6) \times ((6 \times 6) - (66/6))) \\
&:= 77 + (((7 + 7)/7)^7) \times (7/7 + 77) \\
&:= 8 + ((8/8 + 8) \times (((8888 - (8 + 8))/8) + 8)) \\
&:= 9 \times 9 + ((9/9 + 9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10062 &:= 11 + (((111 - 1)^{1+1}) - (1 + ((1 + 1)^{11}))) \\
&:= (2^{2+2+2}) + (((2 \times (2 + 2) + 2)^{2+2}) - 2) \\
&:= 3 \times ((3333 + 3 \times (3 + 3)) + 3) \\
&:= (((44 - 4)/4)^4) + ((4^4 - (4 + 4))/4) \\
&:= 5 + (((5 + 5)^{5-5/5}) + ((5 + 5)/5)) + 55 \\
&:= 6 + (((6 \times 66) + 6) \times ((6 \times 6) - (66/6))) + 6 \\
&:= ((7 + 7)/7 + 7) \times ((7777/7) + 7) \\
&:= (8/8 + 8) \times (((8888 - 8)/8) + 8) \\
&:= 9 \times 9 + (9999 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10063 &:= 11 + (((111 - 1)^{1+1}) - ((1 + 1)^{11})) \\
&:= (2^{2+2+2}) + (((2 \times (2 + 2) + 2)^{2+2}) - 2/2) \\
&:= ((3/3 + 3)^3) + 3 \times 3333 \\
&:= ((4^4 - 4)/4) + (((44 - 4)/4)^4) \\
&:= (5 \times 5^5) - ((5555 + ((5 + 5)/5)) + 5) \\
&:= ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) - ((66/6) + 6) \\
&:= (((7 + 7)/7)^7) \times (((7 + 7)/7) + 77) - (7 \times 7) \\
&:= 8 \times 8 + ((8/8 + 8) \times (8888/8)) \\
&:= 9/9 + ((9999 - (9 + 9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10064 &:= 1 + (11 + (((111 - 1)^{1+1}) - ((1 + 1)^{11}))) \\
&:= (2^{2+2+2}) + ((2 \times (2 + 2) + 2)^{2+2}) \\
&:= (3/3 + 33) \times ((3 \times 3 \times 33) - 3/3) \\
&:= 4 \times (4 \times (((4/4 + 4)^4) + 4)) \\
&:= (55/5 + 5) \times (((5^5 - 5)/5) + 5) \\
&:= 6 + (((66/6) + (6 \times 6)) \times ((6 \times 6 \times 6) - ((6 + 6)/6))) \\
&:= ((7 + 7) \times (777 - (7 \times 7))) - (((7 + 7)/7)^7) \\
&:= (8 + 8) \times ((8 \times (88 - 8)) - 88/8) \\
&:= 9 + (((999 + 9)/(9 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10065 &:= 11 \times (1 + (1 + (((1 + 1)^{11-1}) - 111))) \\
&:= (((22/2)^2) - 2^2) - (2^{2 \times (2+2+2)}) \\
&:= 33 + (3 \times 3333 + 33) \\
&:= 4/4 + (4 \times (4 \times (((4/4 + 4)^4) + 4))) \\
&:= (5 \times 5^5) - (5555 + 5) \\
&:= (666666/66) - (6 \times 6) \\
&:= (((7 - 7/7) + 7) \times (777 + 7/7)) - (7 \times 7) \\
&:= 8 + ((8/8 + 88) \times (((888 + 8) + 8)/8)) \\
&:= 9999 + (((9 + 9) \times 99)/(9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10066 &:= 1 + (11 \times (1 + (1 + (((1 + 1)^{11-1}) - 111)))) \\
&:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + (2^{2+2+2})) \\
&:= 3 + ((3 \times 3333) + ((3/3 + 3)^3)) \\
&:= ((4 + 4)/4) + (4 \times (4 \times (((4/4 + 4)^4) + 4))) \\
&:= 55 + (((5 + 5)^{5-5/5}) + (55/5)) \\
&:= 66 + (((66 - 6)/6)^{6-(6+6)/6}) \\
&:= (7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) - 77 \\
&:= ((8 + 8)/8) + ((8 + 8) \times ((8 \times (88 - 8)) - 88/8)) \\
&:= 9 + (((9 + 9)/9)^{9-9/9}) + (99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10067 &:= ((1 + 1)^{11}) + (11 \times ((11 - 1 - 1)^{1+1+1})) \\
&:= 2 + (((((22/2)^2) - 2)^2) - (2^{2 \times (2+2+2)})) \\
&:= 3 + ((3/3 + 33) \times ((3 \times 3 \times 33) - 3/3)) \\
&:= 4 + (((44 - 4)/4)^4) + ((4^4 - 4)/4) \\
&:= 55 + (((5 + 5)^{5-5/5}) + ((55 + 5)/5)) \\
&:= 66 + (((66 - 6)/6)^{6-(6+6)/6}) + 6/6 \\
&:= 7/7 + ((7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) - 77) \\
&:= 8 + (((88/8) + 8) \times (((8 \times 8 \times 8) + 8/8) + 8) + 8) \\
&:= (9 \times (9 \times 99)) + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10068 &:= (111111/11) - (11 \times (1 + 1 + 1)) \\
&:= (2^{2 \times (2+2)}) + (22 \times (2 \times 222 + 2)) \\
&:= (3 \times ((3333 - 3) + 3^3)) - 3 \\
&:= 4 + (4 \times (4 \times (((4/4 + 4)^4) + 4))) \\
&:= (5 \times 5^5) - (5555 + ((5 + 5)/5)) \\
&:= ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) - (6 + 6) \\
&:= 7 + (((7 + 7)/7)^7) \times (7/7 + 77) + 77 \\
&:= 8 + (((88 + 8)/8) + 8) \times ((8 \times 8 \times 8) - (8/8 + 8)) \\
&:= 9 \times 9 + (9999 - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10069 &:= ((1 + ((11 - 1)^{1+1}))^{1+1}) - (11 \times (1 + 11)) \\
&:= (22^{2/2+2}) - (((22 + 2)^2) + 2/2) + 2 \\
&:= (3 \times (3333 + 3^3)) - (33/3) \\
&:= ((44 - 4) \times (4^4 - 4)) - (44/4) \\
&:= (5 \times 5^5) - (5555 + 5/5) \\
&:= ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) - (66/6) \\
&:= 7 + (((7 + 7)/7 + 7) \times ((7777/7) + 7)) \\
&:= 88 + ((8/8 + 8) \times ((8888 - (8 + 8))/8)) \\
&:= 9 \times 9 + (9999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10070 &:= (11 - 1) \times (((11 - 1 - 1) \times (1 + 111)) - 1) \\
&:= (22^{2/2+2}) - (((22 + 2)^2) + 2) \\
&:= (3 \times 3333) + (((3 + 3)^3) - 3)/3 \\
&:= ((4 - 44)/4) + ((44 - 4) \times (4^4 - 4)) \\
&:= (5 \times 5^5) - 5555 \\
&:= ((6 + 6)/6) \times (((66 - 6/6) + 6)^{(6+6)/6}) - 6 \\
&:= 77 + (((77 - 7)/7)^{77/7-7}) - 7 \\
&:= 8 + ((8/8 + 8) \times (((8888 - 8)/8) + 8)) \\
&:= 9 \times 9 + (9999 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10071 &:= (11 - 1 - 1) \times (((11 - 1) \times (1 + 111)) - 1) \\
&:= (22^{2/2+2}) - (((22 + 2)^2) + 2/2) \\
&:= 3 \times ((3333 - 3) + 3^3) \\
&:= ((44 - 4) \times (4^4 - 4)) - ((4/4 + 4) + 4) \\
&:= 5/5 + ((5 \times 5^5) - 5555) \\
&:= 6 + ((666666/66) - (6 \times 6)) \\
&:= (7 \times 7 \times 7) + (((7 + 7)/7)^7) \times (77 - 7/7) \\
&:= (8/8 + 8) \times ((8888/8) + 8) \\
&:= 9 \times 9 + 9999 - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10072 &:= 1 + ((11 - 1 - 1) \times (((11 - 1) \times (1 + 111)) - 1)) \\
&:= (22^{2/2+2}) - ((22 + 2)^2) \\
&:= 3/3 + (3 \times ((3333 - 3) + 3^3)) \\
&:= ((44 - 4) \times (4^4 - 4)) - (4 + 4) \\
&:= (5 \times 5^5) + (((5 + 5)/5) - 5555) \\
&:= 6 + (((66 - 6)/6)^{6-(6+6)/6}) + 66 \\
&:= 7 + (((7 - 7/7) + 7) \times (777 + 7/7)) - (7 \times 7) \\
&:= 88 + ((88 + 8) \times (88 + 8 + 8)) \\
&:= 9/9 + ((9999 - 9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10073 &:= 1 + (1 + ((11 - 1 - 1) \times (((11 - 1) \times (1 + 111)) - 1))) \\
&:= 2/2 + ((22^{2/2+2}) - ((22 + 2)^2)) \\
&:= 3 + ((3 \times 3333) + (((3 + 3)^3) - 3)/3) \\
&:= 4 + (((44 - 4) \times (4^4 - 4)) - 44/4) \\
&:= 5 + ((5 \times 5^5) - (5555 + ((5 + 5)/5))) \\
&:= ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) - (6/6 + 6) \\
&:= 77 + (7 \times ((7 \times ((7 + 7) \times (7 + 7)) + 7)) + 7) \\
&:= 8/8 + (((88 + 8) \times (88 + 8 + 8)) + 88) \\
&:= 9 \times 9 + ((9999 - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10074 &:= 11 + (11 + (((111 - 1)^{1+1}) - ((1 + 1)^{11}))) \\
&:= 2 + ((22^{2/2+2}) - ((22 + 2)^2)) \\
&:= 3 + (3 \times ((3333 - 3) + 3^3)) \\
&:= ((44 - 4) \times (4^4 - 4)) - (((4 + 4)/4) + 4) \\
&:= 5 + ((5 \times 5^5) - (5555 + 5/5)) \\
&:= ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6 \\
&:= (77 - (7/7 + 7)) \times ((7 \times (7 + 7 + 7)) - 7/7) \\
&:= 88 + (((88 + 8) \times (88 + 8 + 8)) + ((8 + 8)/8)) \\
&:= 9 \times 9 + (((9 + 9 + 9)/9) - 9) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10075 &:= 11111 - (1 + (11 + ((1 + 1)^{11-1}))) \\
&:= (22 \times (22^2 - 2)) - ((22 + 2/2)^2) \\
&:= 3 + ((3 \times ((3333 - 3) + 3^3)) + 3/3) \\
&:= ((44 - 4) \times (4^4 - 4)) - (4/4 + 4) \\
&:= 5 + ((5 \times 5^5) - 5555) \\
&:= 6/6 + (((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6) \\
&:= ((7 - 7/7) + 7) \times (777 - ((7 + 7)/7)) \\
&:= 88/8 + ((8 + 8) \times ((8 \times (88 - 8)) - 88/8)) \\
&:= 9 \times 9 + (((9 - 99)/(9 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10076 &:= 11111 - (11 + ((1 + 1)^{11-1})) \\
&:= 22 \times (22^2 - (22 + 2 + 2)) \\
&:= (3 \times (3333 + 3^3)) - (3/3 + 3) \\
&:= ((44 - 4) \times (4^4 - 4)) - 4 \\
&:= 5 + (((5 \times 5^5) - 5555) + 5/5) \\
&:= ((6 + 6)/6) + (((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6) \\
&:= 77 + (((7 + 7)/7 + 7) \times (7777/7)) \\
&:= (8 \times (8 \times 88)) + (8888/((8 + 8)/8)) \\
&:= 9 + (((9 + 9)/9)^{99/9}) + (9 \times (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10077 &:= 1 + (11111 - (11 + ((1 + 1)^{11-1}))) \\
&:= 2/2 + (22 \times (22^2 - (22 + 2 + 2))) \\
&:= (3 \times (3333 + 3^3)) - 3 \\
&:= 4/4 + (((44 - 4) \times (4^4 - 4)) - 4) \\
&:= 5 + (((5 + 5)/5) - 5555) + (5 \times 5^5) \\
&:= 6 + (((666666/66) - (6 \times 6)) + 6) \\
&:= 77 + (((77 - 7)/7)^{77/7-7}) \\
&:= 888888/88 - (8 + 8 + 8) \\
&:= 9 \times 9 + (9999 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10078 &:= (111111/11) - (1 + 11 + 11) \\
&:= 2 + (22 \times (22^2 - (22 + 2 + 2))) \\
&:= 3/3 + ((3 \times (3333 + 3^3)) - 3) \\
&:= ((44 - 4) \times (4^4 - 4)) - ((4 + 4)/4) \\
&:= ((55/5 + 5) \times ((5^5/5) + 5)) - ((5 + 5)/5) \\
&:= ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) - ((6 + 6)/6) \\
&:= 7 + (((7 + 7)/7)^7) \times (77 - 7/7) + (7 \times 7 \times 7) \\
&:= 88 + ((8/8 + 8) \times ((8888 - 8)/8)) \\
&:= 9 \times 9 + (9999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10079 &:= (111111/11) - (11 + 11) \\
&:= (222222/22) - 22 \\
&:= (3 \times (3333 + 3^3)) - 3/3 \\
&:= ((44 - 4) \times (4^4 - 4)) - 4/4 \\
&:= ((55/5 + 5) \times ((5^5/5) + 5)) - 5/5 \\
&:= ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6/6 \\
&:= 7 \times 7 + (((7/7 + 77) + 7) \times ((777/7) + 7)) \\
&:= 8 + ((8/8 + 8) \times ((8888/8) + 8)) \\
&:= 9 \times 9 + (9999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10080 &:= (11 - 1) \times ((11 - 1 - 1) \times (1 + 111)) \\
&:= (2 - 22) \times (2 - (22^2 + 22)) \\
&:= 3 \times (3333 + 3^3) \\
&:= (44 - 4) \times (4^4 - 4) \\
&:= (55/5 + 5) \times ((5^5/5) + 5) \\
&:= (6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6) \\
&:= (7 + 7) \times (777 - ((7/7 + (7 \times 7)) + 7)) \\
&:= (88 + 8) \times (((8/8 + 88) + 8) + 8) \\
&:= 9 \times 9 + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10081 &:= 1 + ((11 - 1) \times ((11 - 1 - 1) \times (1 + 111))) \\
&:= 2 + (222222/22 - 22) \\
&:= 3/3 + (3 \times (3333 + 3^3)) \\
&:= 4/4 + ((44 - 4) \times (4^4 - 4)) \\
&:= 5/5 + ((55/5 + 5) \times ((5^5/5) + 5)) \\
&:= 6/6 + ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= ((7 - 7/7) + 7) \times (777 - 7/7) - 7 \\
&:= 8/8 + ((88 + 8) \times (((8/8 + 88) + 8) + 8)) \\
&:= 9/9 + (9999 + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10082 &:= (((1 + 11)^{1+1}) - (1 + 1))^{1+1} / (1 + 1) \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2)) - 2/2)^2) \\
&:= 3 + ((3 \times (3333 + 3^3)) - 3/3) \\
&:= ((4 + 4)/4) + ((44 - 4) \times (4^4 - 4)) \\
&:= (5 \times 5^5) + (((55 + 5)/5) - 5555) \\
&:= ((6 + 6)/6) + ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= 7 + (((7 - 7/7) + 7) \times (777 - ((7 + 7)/7))) \\
&:= ((8 + 8)/8) \times (((8 \times 8) - 8/8) + 8)^{(8+8)/8} \\
&:= 9 \times 9 + (9999 + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10083 &:= 1 + (((1 + 11)^{1+1}) - (1 + 1))^{1+1} / (1 + 1) \\
&:= 2/2 + (2 \times (((2 \times ((2 + 2 + 2)^2)) - 2/2)^2)) \\
&:= 3 + (3 \times (3333 + 3^3)) \\
&:= 4 + (((44 - 4) \times (4^4 - 4)) - 4/4) \\
&:= 5 + (((55/5 + 5) \times ((5^5/5) + 5)) - ((5 + 5)/5)) \\
&:= (666666/66) - (6 + 6 + 6) \\
&:= (777 \times ((7 - 7/7) + 7)) - (77/7 + 7) \\
&:= 88 + (((88 + 8) \times (88 + 8 + 8)) + (88/8)) \\
&:= 9 \times 9 + (9999 + ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10084 &:= 1 + (1 + (((1 + 11)^{1+1}) - (1 + 1))^{1+1} / (1 + 1)) \\
&:= 2 + (2 \times (((2 \times ((2 + 2 + 2)^2)) - 2/2)^2)) \\
&:= 3 + ((3 \times (3333 + 3^3)) + 3/3) \\
&:= 4 + ((44 - 4) \times (4^4 - 4)) \\
&:= 5 + (((55/5 + 5) \times ((5^5/5) + 5)) - 5/5) \\
&:= 6 + (((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) - ((6 + 6)/6)) \\
&:= 7 + (((77 - 7)/7)^{7/7-7} + 77) \\
&:= 8 + ((8888/(8 + 8)/8) + (8 \times (8 \times 8))) \\
&:= 9 \times 9 + (((9 \times 9) - 9)/(9 + 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10085 &:= 11111 - (1 + (1 + ((1 + 1)^{11-1})) \\
&:= (222222/22) - (2^{2+2}) \\
&:= 3 + (((3 \times (3333 + 3^3)) - 3/3) + 3) \\
&:= 4 + (((44 - 4) \times (4^4 - 4)) + 4/4) \\
&:= 5 + ((55/5 + 5) \times ((5^5/5) + 5)) \\
&:= 6 + (((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) - 6/6) \\
&:= 77 + (((7 + 7)/7 + 7) \times ((7777 + 7)/7)) \\
&:= 888888/88 - (8 + 8) \\
&:= 99 + (9999 - ((99 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10086 &:= 11111 - (1 + ((1 + 1)^{11-1})) \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2)) - 2/2)^2) + 2 \\
&:= 3 + ((3 \times (3333 + 3^3)) + 3) \\
&:= 4 + (((44 - 4) \times (4^4 - 4)) + ((4 + 4)/4)) \\
&:= 5 + (((55/5 + 5) \times ((5^5/5) + 5)) + 5/5) \\
&:= 6 + ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= (7 - 7/7) \times (((7 \times 7) - (7/7 + 7))^{(7+7)/7}) \\
&:= 8 + (((8/8 + 8) \times ((8888 - 8)/8)) + 88) \\
&:= 99 + (9999 - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10087 &:= 11111 - ((1 + 1)^{11-1}) \\
&:= (22222/2) - (2^{2 \times (2+2)+2}) \\
&:= (3 \times (3333 + 33)) - (33/3) \\
&:= (44444/4) - (4 \times 4^4) \\
&:= (55555/5) - ((5 - 5/5)^5) \\
&:= 6 + (((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) + 6/6) \\
&:= (777 \times ((7 - 7/7) + 7)) - (7 + 7) \\
&:= 88 + ((8/8 + 8) \times (8888/8)) \\
&:= 99 + (9999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10088 &:= 1 + (11111 - ((1 + 1)^{11-1})) \\
&:= 2 \times (2 \times (((2 \times (22 + 2)) + 2)^2) + 22) \\
&:= (3 \times (3333 + 3^3 + 3)) - 3/3 \\
&:= 4 + (((44 - 4) \times (4^4 - 4)) + 4) \\
&:= 5^5 + (55/5 \times (((5^5 - (5 + 5))/5) + 5) + 5) \\
&:= ((6 + 6)/6 + 6) \times ((6 \times (6 \times 6 \times 6 - 6)) + 6/6) \\
&:= ((7 - 7/7) + 7) \times (777 - 7/7) \\
&:= (88 + 8 + 8) \times ((8/8 + 88) + 8) \\
&:= 9 + ((9999 - 9/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10089 &:= (11 - 1 - 1) \times (11 + (1111 - 1)) \\
&:= (22 - (2/2 + 2)) \times (((22 + 2/2)^2) + 2) \\
&:= 3 \times (3333 + 3^3 + 3) \\
&:= 4 + (((44 - 4) \times (4^4 - 4)) + 4/4) + 4 \\
&:= 5 \times 5 + ((55/5 + 5) \times (((5^5 - 5)/5) + 5)) \\
&:= (666666/66) - (6 + 6) \\
&:= 7/7 + (((7 - 7/7) + 7) \times (777 - 7/7)) \\
&:= 8/8 + ((88 + 8 + 8) \times ((8/8 + 88) + 8)) \\
&:= 9 + (9999 + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10090 &:= (111111/11) - 11 \\
&:= 2 + (((2 \times (2 \times (22 + 2))) + 2)^2) + 22^2 \\
&:= 3/3 + (3 \times (3333 + 3^3 + 3)) \\
&:= ((44 - 4)/4) + ((44 - 4) \times (4^4 - 4)) \\
&:= (5 + 5) \times (((5 - 5/5)^5) - (5 + 5 + 5)) \\
&:= (666666/66) - (66/6) \\
&:= (777 \times ((7 - 7/7) + 7)) - (77/7) \\
&:= 888888/88 - (88/8) \\
&:= 9 + ((9999 + (9 \times 9)) + 9/9)
\end{aligned}$$

- ▶ **10091** := $1 + ((111111/11) - 11)$
:= $(222 \times (2 \times 22 + 2)) - ((22/2)^2)$
:= $(33/3) + (3 \times (3333 + 3^3))$
:= $(44/4) + ((44 - 4) \times (4^4 - 4))$
:= $(555555/55) - (5 + 5)$
:= $(66/6) + ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6))$
:= $((7 - 77)/7) + (777 \times ((7 - 7/7) + 7))$
:= $88/8 + ((88 + 8) \times ((8/8 + 88) + 8) + 8)$
:= $9 \times 9 + (9999 + 99/9)$
- ▶ **10092** := $1 + (1 + ((111111/11) - 11))$
:= $(2/2 + 2) \times (((2 + 2 + 2)^2) + 22)^2$
:= $(3 \times ((3 \times 3 + 3 + 3)^3)) - 33$
:= $4 + (((44 - 4) \times (4^4 - 4)) + 4) + 4$
:= $5 + ((55555/5) - ((5 - 5/5)^5))$
:= $6 + (((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) + 6)$
:= $((77 + 7)/7) \times (((77 \times 77) + 7)/7) - 7$
:= $(8/8 - 88) \times (((88 + 8)/8) - (8 \times (8 + 8)))$
:= $(999999/99) - 9$
- ▶ **10093** := $1 + (1 + (1 + ((111111/11) - 11)))$
:= $(222222/22) - (2 \times (2 + 2))$
:= $3/3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) - 33)$
:= $(444444/44) - (4 + 4)$
:= $(5 \times (5^5 + 5)) - (5555 + ((5 + 5)/5))$
:= $6 + (((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) + 6/6) + 6$
:= $(777 \times ((7 - 7/7) + 7)) - (7/7 + 7)$
:= $888888/88 - 8$
:= $(9 \times 999) + (9999/9 - 9)$
- ▶ **10094** := $1 + (1 + (1 + (1 + ((111111/11) - 11))))$
:= $2 + ((2/2 + 2) \times (((2 + 2 + 2)^2) + 22)^2)$
:= $(3 \times (3333 + 33)) - (3/3 + 3)$
:= $4 + (((44 - 4) \times (4^4 - 4)) + ((44 - 4)/4))$
:= $(5 \times (5^5 + 5)) - (5555 + 5/5)$
:= $(666666/66) - (6/6 + 6)$
:= $(7 + 7) \times (777 - (7 \times 7 + 7))$
:= $8/8 + ((888888/88) - 8)$
:= $(99 - 9/9) \times (((999 + 9)/9) - 9)$
- ▶ **10095** := $(1 + 1 + 1) \times (((1 + 1 + 1) \times (11 + 1111)) - 1)$
:= $((222/2)^2) - ((2222 + 2) + 2)$
:= $(3 \times (3333 + 33)) - 3$
:= $4 + (((44 - 4) \times (4^4 - 4)) + 44/4)$
:= $(5 \times (5^5 + 5)) - 5555$
:= $(666666/66) - 6$
:= $7 + (((7 - 7/7) + 7) \times (777 - 7/7))$
:= $8 + (((8/8 + 8) \times (8888/8)) + 88)$
:= $99 + (9999 - ((9 + 9 + 9)/9))$
- ▶ **10096** := $((11 - 1 - 1) \times (11 + 1111)) - (1 + 1)$
:= $2 \times (2 \times (((2 \times (22 + 2)) + 2)^2) + 22) + 2)$
:= $3/3 + ((3 \times (3333 + 33)) - 3)$
:= $4 \times 4 + ((44 - 4) \times (4^4 - 4))$
:= $(55/5 + 5) \times (((5^5 + 5)/5) + 5)$
:= $6/6 + ((666666/66) - 6)$
:= $((7 + 7)/7) + ((7 + 7) \times (777 - (7 \times 7 + 7)))$
:= $(8 + 8) \times ((8 \times (88 - 8)) - (8/8 + 8))$
:= $99 + (9999 - ((9 + 9)/9))$
- ▶ **10097** := $((11 - 1 - 1) \times (11 + 1111)) - 1$
:= $(22 + 2/2) \times (((22 - 2/2)^2) - 2)$
:= $(3 \times (3333 + 33)) - 3/3$
:= $(444444/44) - 4$
:= $5/5 + ((55/5 + 5) \times (((5^5 + 5)/5) + 5))$
:= $(66 \times (((666/6) + (6 \times 6) + 6)) - 6/6)$
:= $7 + ((777 \times ((7 - 7/7) + 7)) - (77/7))$
:= $8/8 + ((8 + 8) \times ((8 \times (88 - 8)) - (8/8 + 8)))$
:= $99 + (9999 - 9/9)$
- ▶ **10098** := $(11 - 1 - 1) \times (11 + 1111)$
:= $22 \times ((2 \times (222 + 2)) + (22/2))$
:= $3 \times (3333 + 33)$
:= $4 \times 4 + (((44 - 4) \times (4^4 - 4)) + ((4 + 4)/4))$
:= $((5 - 5/5) + 5) \times ((5555 + 55)/5)$
:= $66 \times (((666/6) + (6 \times 6) + 6)$
:= $(7 \times (7 + 7)) + (((77 - 7)/7)^{77/7-7})$
:= $(8/8 + 8) \times ((8888 + 88)/8)$
:= $99 + 9999$
- ▶ **10099** := $(111111/11) - (1 + 1)$
:= $((222/2)^2) - 2222$
:= $3/3 + (3 \times (3333 + 33))$
:= $4 + (((44 - 4) \times (4^4 - 4)) + 44/4) + 4$
:= $5 + ((5 \times (5^5 + 5)) - (5555 + 5/5))$
:= $6/6 + (66 \times (((666/6) + (6 \times 6) + 6))$
:= $(777 \times ((7 - 7/7) + 7)) - ((7 + 7)/7)$
:= $888888/88 - ((8 + 8)/8)$
:= $9/9 + (9999 + 99)$
- ▶ **10100** := $(111111/11) - 1$
:= $(2 - 22) \times (2/2 - (22^2 + 22))$
:= $3 + ((3 \times (3333 + 33)) - 3/3)$
:= $4 + (((44 - 4) \times (4^4 - 4)) + 4 \times 4)$
:= $5 + ((5 \times (5^5 + 5)) - 5555)$
:= $(666666/66) - 6/6$
:= $(777 \times ((7 - 7/7) + 7)) - 7/7$
:= $888888/88 - 8/8$
:= $99 + (9999 + ((9 + 9)/9))$

$$\begin{aligned}
 \blacktriangleright 10101 &:= 111111/11 \\
 &:= 222222/22 \\
 &:= 333333/33 \\
 &:= 444444/44 \\
 &:= 555555/55 \\
 &:= 666666/66 \\
 &:= 777 \times (7 - 7/7 + 7) \\
 &:= 888888/88 \\
 &:= 999999/99
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10102 &:= 1 + 111111/11 \\
 &:= 2/2 + (222222/22) \\
 &:= 3 + ((3 \times (3333 + 33)) + 3/3) \\
 &:= 4/4 + (444444/44) \\
 &:= 5/5 + (555555/55) \\
 &:= 6/6 + 666666/66 \\
 &:= 7/7 + (777 \times ((7 - 7/7) + 7)) \\
 &:= 8/8 + (888888/88) \\
 &:= (9 \times 999) + 9999/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10103 &:= 1 + (1 + (111111/11)) \\
 &:= 2 + (222222/22) \\
 &:= 3 + (((3 \times (3333 + 33)) - 3/3) + 3) \\
 &:= (4 \times (4 - 4^4)) + (44444/4) \\
 &:= ((5 + 5)/5) + (555555/55) \\
 &:= ((6 + 6)/6) + 666666/66 \\
 &:= ((7 + 7)/7) + (777 \times ((7 - 7/7) + 7)) \\
 &:= ((8 + 8) \times (8 \times (88 - 8) - 8)) - (8/8 + 8) \\
 &:= (9 \times 999) + ((9999 + 9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10104 &:= 1 + (1 + (1 + (111111/11))) \\
 &:= 2 \times (2 \times ((2 \times (22 + 2))^2 + 222)) \\
 &:= 3 + ((3 \times (3333 + 33)) + 3) \\
 &:= 4 + (((44 - 4) \times (4^4 - 4)) + 4 \times 4) + 4 \\
 &:= (5 - 5/5) \times (((5 - 5^5)/5) + 5 \times 5) + 5^5 \\
 &:= 6 + (66 \times (((666/6) + (6 \times 6)) + 6)) \\
 &:= ((7 + 7 + 7)/7) + (777 \times ((7 - 7/7) + 7)) \\
 &:= ((8 + 8) \times (8 \times (88 - 8) - 8)) - 8 \\
 &:= 9 + ((9999 - ((9 + 9 + 9)/9)) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10105 &:= 1 + (1 + (1 + (1 + (111111/11)))) \\
 &:= 2 + (222222/22 + 2) \\
 &:= (3 \times (((3 \times 3 + 3 + 3)^3) - 3)) - (33/3) \\
 &:= 4 + (444444/44) \\
 &:= 5 + (((5 \times (5^5 + 5)) - 5555) + 5) \\
 &:= ((66/6) + (6 \times 6)) \times ((6 \times 6 \times 6) - 6/6) \\
 &:= (((7 + 7)/7)^7) \times (((7 + 7)/7) + 77) - 7 \\
 &:= 8/8 + (((8 + 8) \times (8 \times (88 - 8) - 8)) - 8) \\
 &:= 9 + ((9999 - ((9 + 9)/9)) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10106 &:= ((11 - 1 - 1) \times (1 + 11 + 1111)) - 1 \\
 &:= 2 + (2 \times (2 \times ((2 \times (22 + 2))^2 + 222))) \\
 &:= (3 \times (3333 + 33 + 3)) - 3/3 \\
 &:= 4 + ((444444/44) + 4/4) \\
 &:= 5 + (555555/55) \\
 &:= 6 + ((666666/66) - 6/6) \\
 &:= 7 + ((777 \times ((7 - 7/7) + 7)) - ((7 + 7)/7)) \\
 &:= 8 + ((8/8 + 8) \times ((8888 + 88)/8)) \\
 &:= 9 + ((9999 - 9/9) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10107 &:= (11 - 1 - 1) \times (1 + 11 + 1111) \\
 &:= 2 + ((222222/22 + 2) + 2) \\
 &:= 3 \times (3333 + 33 + 3) \\
 &:= 444/4 + (((44 - 4)/4)^4) - 4 \\
 &:= 5 + ((555555/55) + 5/5) \\
 &:= 6 + 666666/66 \\
 &:= 7 + ((777 \times ((7 - 7/7) + 7)) - 7/7) \\
 &:= (8/8 + 8) \times (((8888 + 88) + 8)/8) \\
 &:= 9 + (9999 + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10108 &:= 1 + ((11 - 1 - 1) \times (1 + 11 + 1111)) \\
 &:= 2 \times (2 \times ((2 \times (22 + 2))^2 + 222)) + 2 \\
 &:= 3/3 + (3 \times (3333 + 33 + 3)) \\
 &:= 44 + (4 \times (4 \times (((4/4 + 4)^4) + 4))) \\
 &:= 5 + ((555555/55) + ((5 + 5)/5)) \\
 &:= 6 + ((666666/66) + 6/6) \\
 &:= 7 + (777 \times ((7 - 7/7) + 7)) \\
 &:= 8 + ((888888/88) - 8/8) \\
 &:= 9 + ((9999 + 99) + 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10109 &:= 11 + ((11 - 1 - 1) \times (11 + 1111)) \\
 &:= (2 \times (2 + 2)) + (222222/22) \\
 &:= (33/3) + (3 \times (3333 + 33)) \\
 &:= 4 + ((444444/44) + 4) \\
 &:= 55 + (((5 + 5)^{5-5/5}) - 5/5) + 55 \\
 &:= (6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) - (6/6 + 6) \\
 &:= 7 + ((777 \times ((7 - 7/7) + 7)) + 7/7) \\
 &:= 8 + (888888/88) \\
 &:= 99 + (9999 + 99/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10110 &:= 111 + ((11 - 1 - 1) \times 1111) \\
 &:= ((222 - 2)/2) + ((2 \times (2 + 2) + 2)^{2+2}) \\
 &:= 3 + (3 \times (3333 + 33 + 3)) \\
 &:= (((44 - 4)/4)^4) + ((444 - 4)/4) \\
 &:= 55 + (((5 + 5)^{5-5/5}) + 55) \\
 &:= (6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) - 6 \\
 &:= 7 + ((777 \times ((7 - 7/7) + 7)) + (7 + 7)/7) \\
 &:= ((8 + 8) \times (8 \times (88 - 8) - 8)) - ((8 + 8)/8) \\
 &:= (999/9) + 9999
 \end{aligned}$$

- **10111** := $111 + ((11 - 1)^{1+1+1+1})$
:= $(222/2) + ((2 \times (2 + 2) + 2)^{2+2})$
:= $(3 \times 3333) + ((333 + 3)/3)$
:= $444/4 + (((44 - 4)/4)^4)$
:= $(555/5) + ((5 + 5)^{5-5/5})$
:= $6 + (((66/6) + (6 \times 6)) \times ((6 \times 6 \times 6) - 6/6))$
:= $((77 - 7)/7) + (777 \times ((7 - 7/7) + 7))$
:= $((8 + 8) \times (8 \times (88 - 8) - 8)) - 8/8$
:= $9999 + ((999 + 9)/9)$
- **10112** := $11 + 111111/11$
:= $2 \times (2 \times (((2 \times (22 + 2))^2) + 222) + 2)$
:= $(33333/3) - (3 \times 333)$
:= $(4 + 4) \times ((4 \times (4^4 - 4)) + 4^4)$
:= $(55/5 + 5) \times (((5^5 + 5 + 5)/5) + 5)$
:= $(66/6) + 666666/66$
:= $((7 + 7)/7)^7 \times (((7 + 7)/7) + 77)$
:= $(8 + 8) \times (8 \times (88 - 8) - 8)$
:= $(99999/9) - 999$
- **10113** := $1 + (11 + (111111/11))$
:= $2 + (((2 \times (2 + 2) + 2)^{2+2}) + 222/2)$
:= $(3 \times (((3 \times 3 + 3 + 3)^3) - 3)) - 3$
:= $4/4 + ((4 + 4) \times ((4 \times (4^4 - 4)) + 4^4))$
:= $((5 + 5)^{5-5/5}) + (((555 + 5) + 5)/5)$
:= $6 + ((666666/66) + 6)$
:= $7/7 + (((7 + 7)/7)^7) \times (((7 + 7)/7) + 77)$
:= $8/8 + ((8 + 8) \times (8 \times (88 - 8) - 8))$
:= $9/9 + (99999/9 - 999)$
- **10114** := $1 + (1 + (11 + (111111/11)))$
:= $((22/2) + 2) \times ((2 \times (22 - 2)^2) - 22)$
:= $(3 \times (((3 \times 3 + 3 + 3)^3) - (33/3))) - (33/3)$
:= $4 + (((44 - 4)/4)^4) + ((444 - 4)/4)$
:= $5^5 + ((5 \times (5 \times (5 \times 55 + 5))) - (55/5))$
:= $(6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) - ((6 + 6)/6)$
:= $((7 - 7/7) + 7) \times (777 + 7/7)$
:= $((8 + 8)/8) + ((8 + 8) \times (8 \times (88 - 8) - 8))$
:= $9 + (((9999 - ((9 + 9)/9)) + 99) + 9)$
- **10115** := $1 + (1 + (1 + (11 + (111111/11))))$
:= $(2/2 + 2 + 2) \times (((2 \times 22) + 2/2)^2) - 2$
:= $(3 \times (((3 \times 3 + 3 + 3)^3) - 3)) - 3/3$
:= $4 + (((44 - 4)/4)^4) + (444/4)$
:= $5 \times (((5 + 5)/5)^{55/5}) - (5 \times 5)$
:= $(6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) - 6/6$
:= $7 + (777 \times ((7 - 7/7) + 7)) + 7$
:= $88/8 + (((8 + 8) \times (8 \times (88 - 8) - 8)) - 8)$
:= $9 + (((9999 - 9/9) + 99) + 9)$
- **10116** := $(11 - 1 - 1) \times (1 + (1 + 11 + 1111))$
:= $2 \times ((22 \times (222 + (2 \times (2 + 2)))) - 2)$
:= $3 \times (((3 \times 3 + 3 + 3)^3) - 3)$
:= $4 + ((4 + 4) \times ((4 \times (4^4 - 4)) + 4^4))$
:= $5 + (((5 + 5)^{5-5/5}) + (555/5))$
:= $6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)$
:= $7 + (((777 \times ((7 - 7/7) + 7)) + 7/7) + 7)$
:= $(8 \times 8/(8 + 8)) + ((8 + 8) \times (8 \times (88 - 8) - 8))$
:= $9 + ((9999 + 99) + 9)$
- **10117** := $1 + ((11 - 1 - 1) \times (1 + (1 + 11 + 1111)))$
:= $(2^{2+2}) + (222222/22)$
:= $3/3 + (3 \times (((3 \times 3 + 3 + 3)^3) - 3))$
:= $4 \times 4 + (444444/44)$
:= $5 + (((5 + 5)^{5-5/5}) + ((555 + 5)/5))$
:= $6/6 + (6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6))$
:= $7 + (((777 \times ((7 - 7/7) + 7)) + ((7 + 7)/7)) + 7)$
:= $8 + ((888888/88) + 8)$
:= $9 + (((9999 + 99) + 9/9) + 9)$
- **10118** := $11 + ((11 - 1 - 1) \times (1 + 11 + 1111))$
:= $(22 \times (22^2 - (22 + 2))) - 2$
:= $3 + ((3 \times (((3 \times 3 + 3 + 3)^3) - 3)) - 3/3)$
:= $(4^4 \times (44 - 4)) - ((444 + 44)/4)$
:= $5 + (((555 + 5) + 5)/5) + ((5 + 5)^{5-5/5})$
:= $((6 + 6)/6) + (6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6))$
:= $((77 - ((7 + 7)/7)) \times (((7 + 7)/7)^7) + 7) - 7$
:= $8 + ((8 + 8) \times (8 \times (88 - 8) - 8)) - ((8 + 8)/8)$
:= $9 + ((9999 + 99/9) + 99)$
- **10119** := $111 + ((11 - 1 - 1) \times (1 + 1111))$
:= $(22^{2/2+2}) - ((22 + 2/2)^2)$
:= $3 + (3 \times (((3 \times 3 + 3 + 3)^3) - 3))$
:= $((44 - 4) \times ((4/4 - 4) + 4^4)) - 4/4$
:= $55 + ((55/5 + 5) \times (((5^5 - 5)/5) + 5))$
:= $6 + ((666666/66) + 6) + 6$
:= $7 + (((7 + 7)/7)^7) \times (((7 + 7)/7) + 77)$
:= $8 + ((8 + 8) \times (8 \times (88 - 8) - 8)) - 8/8$
:= $9 + ((999/9) + 9999)$
- **10120** := $(11 - 1) \times (((1 + 1)^{11-1}) - (1 + 11))$
:= $22 \times (22^2 - (22 + 2))$
:= $3 + (3 \times (((3 \times 3 + 3 + 3)^3) - 3)) + 3/3$
:= $(44 - 4) \times ((4/4 - 4) + 4^4)$
:= $5^5 + ((5 \times (5 \times (5 \times 55 + 5))) - 5)$
:= $6 + ((6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) - ((6 + 6)/6))$
:= $((777 - 7)/7) \times (((7/7 + 77) + 7) + 7)$
:= $8 + ((8 + 8) \times (8 \times (88 - 8) - 8))$
:= $9 + (((999 + 9)/9) + 9999)$

$$\begin{aligned}
\blacktriangleright 10121 &:= (11^{1+1}) + ((11-1)^{1+1+1+1}) \\
&:= 2/2 + (22 \times (22^2 - (22+2))) \\
&:= (3 \times ((3 \times 3 + 3 + 3)^3)) - (3/3 + 3) \\
&:= 4/4 + (((44-4) \times ((4/4-4) + 4^4)) \\
&:= 5^5 + (55/5 \times ((55+5^5)/5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) - 6/6) \\
&:= 7 + (((7-7/7) + 7) \times (777 + 7/7)) \\
&:= 8 + (((8+8) \times (8 \times (88-8) - 8)) + 8/8) \\
&:= 9 + (99999/9 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10122 &:= 1 + ((11^{1+1}) + ((11-1)^{1+1+1+1})) \\
&:= (2 - 22^2) \times (2/2 - 22) \\
&:= (3 \times ((3 \times 3 + 3 + 3)^3)) - 3 \\
&:= 44 + (((44-4) \times (4^4 - 4)) - ((4+4)/4)) \\
&:= ((5+5)^{5-5/5}) + ((555+55)/5) \\
&:= 6 + (6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) \\
&:= 7 + (((777 \times ((7-7/7) + 7)) + 7) + 7) \\
&:= 8 + (((8+8) \times (8 \times (88-8) - 8)) + ((8+8)/8)) \\
&:= 9999 + (((999+99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10123 &:= 11 + (11 + (111111/11)) \\
&:= 22 + (222222/22) \\
&:= 3/3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) - 3) \\
&:= 44 + (((44-4) \times (4^4 - 4)) - 4/4) \\
&:= 5^5 + ((5 \times (5 \times (5 \times 55 + 5))) - ((5+5)/5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) + 6/6) \\
&:= 7 + (((777 \times ((7-7/7) + 7)) + 7/7) + 7) + 7) \\
&:= 88/8 + ((8+8) \times (8 \times (88-8) - 8)) \\
&:= (99 \times 99) + (((9+9) \times (9+9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10124 &:= (111^{1+1}) - ((1+1+11)^{1+1+1}) \\
&:= 2 + ((2 - 22^2) \times (2/2 - 22)) \\
&:= (3 \times ((3 \times 3 + 3 + 3)^3)) - 3/3 \\
&:= 44 + ((44-4) \times (4^4 - 4)) \\
&:= 5^5 + ((5 \times (5 \times (5 \times 55 + 5))) - 5/5) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - (((6+6)/6)^{6+6}) \\
&:= ((7777/77)^{(7+7)/7}) - 77 \\
&:= ((88+8)/8) + ((8+8) \times (8 \times (88-8) - 8)) \\
&:= (99 \times 99) + (((9+9) \times (9+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10125 &:= (1+1+1) \times ((1+(1+1+1+11))^{1+1+1}) \\
&:= (2/2 + 2 + 2) \times (((2 \times 22) + 2/2)^2) \\
&:= 3 \times ((3 \times 3 + 3 + 3)^3) \\
&:= 44 + (((44-4) \times (4^4 - 4)) + 4/4) \\
&:= 5 \times ((55 \times (5 - (5 \times 5))) + 5^5) \\
&:= 6 + (((666666/66) + 6) + 6) + 6) \\
&:= (77 - ((7+7)/7)) \times (((7+7)/7)^7) + 7) \\
&:= 8 + (((888888/88) + 8) + 8) \\
&:= 9 \times ((9 \times ((99+9+9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10126 &:= 1 + ((1+1+1) \times ((1+(1+1+1+11))^{1+1+1})) \\
&:= 2 + (((2 - 22^2) \times (2/2 - 22)) + 2) \\
&:= 3/3 + (3 \times ((3 \times 3 + 3 + 3)^3)) \\
&:= 44 + (((44-4) \times (4^4 - 4)) + ((4+4)/4)) \\
&:= 5 \times 5 + (555555/55) \\
&:= ((66-6)/6) + (6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) \\
&:= 7 + (((((7+7)/7)^7) \times (((7+7)/7) + 77)) + 7) \\
&:= 8 + (((8+8) \times (8 \times (88-8) - 8)) - ((8+8)/8) + 8) \\
&:= 9/9 + ((99 \times 99) + ((9+9) \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10127 &:= ((11-1) \times ((1+1)^{11-1})) - (1+(1+111)) \\
&:= 2 + ((2/2 + 2 + 2) \times (((2 \times 22) + 2/2)^2)) \\
&:= 3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) - 3/3) \\
&:= (4 \times (4 \times (((4/4 + 4)^4) + 4) + 4)) - 4/4 \\
&:= 5^5 + ((5 \times (5 \times (5 \times 55 + 5))) + ((5+5)/5)) \\
&:= (66/6) + (6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) \\
&:= ((7-7/7) + 7) \times (((7+7)/7) + 777) \\
&:= 8 + (((8+8) \times (8 \times (88-8) - 8)) - 8/8) + 8) \\
&:= 9 + (((9999 + 99/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10128 &:= ((11-1) \times ((1+1)^{11-1})) - (1+111) \\
&:= 2 \times (2 \times ((2^{22/2}) + 22^2)) \\
&:= 3 + (3 \times ((3 \times 3 + 3 + 3)^3)) \\
&:= 4 \times (4 \times (((4/4 + 4)^4) + 4) + 4) \\
&:= (55/5 + 5) \times (((5^5 - (5+5))/5) + 5) + 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) + 6) \\
&:= 7 + (((7-7/7) + 7) \times (777 + 7/7)) + 7) \\
&:= 8 + ((8+8) \times (8 \times (88-8) - 8)) + 8) \\
&:= 9 + (((999/9) + 9999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10129 &:= ((11-1) \times ((1+1)^{11-1})) - 111 \\
&:= 2/2 + ((2^{22/2+2} + ((2 \times 22)^2)) \\
&:= 3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) + 3/3) \\
&:= (4^4 \times (44-4)) - (444/4) \\
&:= ((5+5) \times ((5-5/5)^5)) - (555/5) \\
&:= 6 + (((6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) + 6/6) + 6) \\
&:= 7777 + (7 \times (7 \times 7 \times 7 - 7)) \\
&:= (8 \times ((8+8) \times (88-8))) - (888/8) \\
&:= 9 + (((999+9)/9) + 9999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10130 &:= (11-1) \times (((1+1)^{11-1}) - 11) \\
&:= 2 + ((2^{22/2+2} + ((2 \times 22)^2)) \\
&:= 3 + (((3 \times ((3 \times 3 + 3 + 3)^3)) - 3/3) + 3) \\
&:= ((44-4)/4) \times ((4 \times 4^4) - 44/4) \\
&:= 5 + ((5 \times (5 \times (5 \times 55 + 5))) + 5^5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) - (((6+6)/6)^{6+6})) \\
&:= 7/7 + ((7 \times (7 \times 7 \times 7 - 7)) + 7777) \\
&:= (((8+8)/8) + 8) \times ((8 \times (8 \times (8+8))) - 88/8) \\
&:= 9 + ((99999/9 - 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10131 &:= 1 + ((11 - 1) \times (((1 + 1)^{11-1}) - 11)) \\
&:= (22/2) + (22 \times (22^2 - (22 + 2))) \\
&:= 3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) + 3) \\
&:= 4 + ((4 \times (4 \times (((4/4 + 4)^4) + 4) + 4)) - 4/4) \\
&:= 5 + (((5 \times (5 \times (5 \times 55 + 5))) + 5^5) + 5/5) \\
&:= 6 \times 6 + ((666666/66) - 6) \\
&:= ((7 + 7) \times (7 - 77)) + (77777/7) \\
&:= 8 + (((8 + 8) \times (8 \times (88 - 8) - 8)) + (88/8)) \\
&:= (99/9) \times ((9 \times (9 \times 9 + 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10132 &:= 1 + (1 + ((11 - 1) \times (((1 + 1)^{11-1}) - 11))) \\
&:= 2 \times ((2 \times ((2^{22/2}) + 22^2)) + 2) \\
&:= 3 + (((3 \times ((3 \times 3 + 3 + 3)^3)) + 3/3) + 3) \\
&:= 4 + (4 \times (4 \times (((4/4 + 4)^4) + 4) + 4)) \\
&:= 5^5 + (55/5 \times (((55 + 5^5) + 5)/5)) \\
&:= 66 + (((66 - 6)/6)^{6-(6+6)/6}) + 66 \\
&:= 7 + ((77 - ((7 + 7)/7)) \times (((7 + 7)/7)^7) + 7) \\
&:= 8 + (((8 + 8) \times (8 \times (88 - 8) - 8)) + ((88 + 8)/8)) \\
&:= ((99/9 + 9) \times (((9 + 9)/9)^9)) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10133 &:= 1 + (1 + (1 + ((11 - 1) \times (((1 + 1)^{11-1}) - 11)))) \\
&:= (22/2) + ((2 - 22^2) \times (2/2 - 22)) \\
&:= (3 \times (((3 \times 3 + 3 + 3)^3) + 3)) - 3/3 \\
&:= 4 + ((4^4 \times (44 - 4)) - (444/4)) \\
&:= (((5 + 5)/5)^5 + 5) \times ((5 \times 55) - 5/5) - 5 \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 + 66)) - 6)) + (66/6)) \\
&:= 7 + (((7 + 7)/7)^7 \times (((7 + 7)/7) + 77)) + 7 + 7 \\
&:= 8 + (((888888/88) + 8) + 8) + 8 \\
&:= 9 + (((99 \times 99) - 9/9) + ((9 + 9) \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10134 &:= (1 + 1 + 1) \times (((1 + 1)^{11}) + ((11^{1+1+1}) - 1)) \\
&:= 2 + (2 \times ((2 \times ((2^{22/2}) + 22^2)) + 2)) \\
&:= 3 \times (((3 \times 3 + 3 + 3)^3) + 3) \\
&:= 4 + (((4 - 444)/4) + (4^4 \times (44 - 4))) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) - (555/5)) \\
&:= (6 \times (6 \times (6 \times 6 \times 6 + 66))) - (6 + 6 + 6) \\
&:= 7 + (((7 - 7/7) + 7) \times (((7 + 7)/7) + 77)) \\
&:= (8/8 + 8) \times (((8888 - 8)/8) + 8) + 8 \\
&:= 9 + ((99 \times 99) + (9 + 9) \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10135 &:= 1 + ((1 + 1 + 1) \times (((1 + 1)^{11}) + ((11^{1+1+1}) - 1))) \\
&:= (2/2 + 2 + 2) \times (((2 \times 22) + 2/2)^2) + 2 \\
&:= 3/3 + (3 \times (((3 \times 3 + 3 + 3)^3) + 3)) \\
&:= 44 + (((44 - 4) \times (4^4 - 4)) + 44/4) \\
&:= ((5 + 5) \times (((5 - 5/5)^5) - 5)) - 55 \\
&:= ((6/6 + 6)^{6-6/6}) - (6666 + 6) \\
&:= (7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) - (7/7 + 7) \\
&:= 8 \times 8 + ((8/8 + 8) \times ((8888/8) + 8)) \\
&:= 9 + (((99 \times 99) + ((9 + 9) \times (9 + 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10136 &:= ((11 + 11)^{1+1+1}) - ((1 + 1)^{11-1-1}) \\
&:= 2 \times (2 \times (((2^{22/2}) + 22^2) + 2)) \\
&:= (33/3) + (3 \times ((3 \times 3 + 3 + 3)^3)) \\
&:= ((4^4 + 4) \times (44 - (4/4 + 4))) - 4 \\
&:= 5 \times 5 + (((5 + 5)^{5-5/5}) + (555/5)) \\
&:= 6 \times 6 + ((666666/66) - 6/6) \\
&:= (7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) - 7 \\
&:= 8 + (((8 + 8) \times (8 \times (88 - 8) - 8)) + 8) + 8 \\
&:= (99/9) + ((99 \times 99) + ((9 + 9) \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10137 &:= (1 + 1 + 1) \times (((1 + 1)^{11}) + (11^{1+1+1})) \\
&:= ((2222/22)^2) - (2^{2+2+2}) \\
&:= 3 + (3 \times (((3 \times 3 + 3 + 3)^3) + 3)) \\
&:= 4 + (((4^4 \times (44 - 4)) - (444/4)) + 4) \\
&:= 5 + ((55/5 \times (((55 + 5^5) + 5)/5)) + 5^5) \\
&:= 6 \times 6 + 666666/66 \\
&:= 7/7 + ((7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) - 7) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8))) - (888/8)) \\
&:= 9 + (((999/9) + 9999) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10138 &:= 1 + ((1 + 1 + 1) \times (((1 + 1)^{11}) + (11^{1+1+1}))) \\
&:= 2 + (2 \times (2 \times (((2^{22/2}) + 22^2) + 2))) \\
&:= 3 + ((3 \times (((3 \times 3 + 3 + 3)^3) + 3)) + 3/3) \\
&:= ((4 + 4)/4) \times (4444 + ((4/4 + 4)^4)) \\
&:= (((5 + 5)/5)^5 + 5) \times ((5 \times 55) - 5/5) \\
&:= 6 \times 6 + ((666666/66) + 6/6) \\
&:= 7 + ((77777/7) + ((7 + 7) \times (7 - 77))) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8))) + ((8 - 888)/8)) \\
&:= (9 \times (9 \times 9)) + ((99 - ((9 + 9)/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10139 &:= ((11 - 1) \times (1 + ((1 + 1)^{11-1}))) - 111 \\
&:= (22222/2) - (2 \times (22^2 + 2)) \\
&:= 3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) + (33/3)) \\
&:= ((4^4 + 4) \times (44 - (4/4 + 4))) - 4/4 \\
&:= ((5 + 5) \times (((5 - 5/5)^5) - (5 + 5))) - 5/5 \\
&:= (6 \times (6 \times (6 \times 6 \times 6 + 66))) - (6/6 + 6 + 6) \\
&:= 7 + (((77 - ((7 + 7)/7)) \times (((7 + 7)/7)^7) + 7) + 7 \\
&:= 8 + (((8 + 8) \times (8 \times (88 - 8) - 8)) + (88/8)) + 8 \\
&:= (99999/9) - (9 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10140 &:= (11 - 1) \times (1 + (((1 + 1)^{11-1}) - 11)) \\
&:= (2 - 22) \times (22 - ((22 + 2/2)^2)) \\
&:= 3 + ((3 \times (((3 \times 3 + 3 + 3)^3) + 3)) + 3) \\
&:= (4^4 + 4) \times (44 - (4/4 + 4)) \\
&:= (5 + 5) \times (((5 - 5/5)^5) - (5 + 5)) \\
&:= (6 \times (6 \times (6 \times 6 \times 6 + 66))) - (6 + 6) \\
&:= ((77 + 7)/7) \times (((77 \times 77) - (7 + 7))/7) \\
&:= (((8 + 8)/8) + 8) \times (((8 - 88)/8) + (8 \times (8 \times (8 + 8)))) \\
&:= 9 + (((99/9) \times ((99 + 9)/9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10141 &:= 1 + ((11 - 1) \times (1 + (((1 + 1)^{11-1}) - 11))) \\
&:= ((22 + 2/2) \times ((22 - 2/2)^2)) - 2 \\
&:= 3 + (((3 \times ((3 \times 3 + 3 + 3)^3) + 3) + 3/3) + 3) \\
&:= 4/4 + ((4^4 + 4) \times (44 - (4/4 + 4))) \\
&:= 5/5 + ((5 + 5) \times (((5 - 5/5)^5) - (5 + 5))) \\
&:= ((6/6 + 6)^{6-6/6}) - 6666 \\
&:= (7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) - ((7 + 7)/7) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - ((88/8) + 88) \\
&:= ((99/9 + 9) \times (((9 + 9)/9)^9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10142 &:= (11 \times (((1 + 1)^{11-1}) - 1)) - 1111 \\
&:= 22 \times (22^2 - (22 + 2/2)) \\
&:= (3 \times (((3 \times 3 + 3 + 3)^3) + 3) + 3) - 3/3 \\
&:= ((4 + 4)/4) + ((4^4 + 4) \times (44 - (4/4 + 4))) \\
&:= ((5 + 5)/5) + ((5 + 5) \times (((5 - 5/5)^5) - (5 + 5))) \\
&:= ((6 - 66)/6) + (6 \times (6 \times (6 \times 6 + 66))) \\
&:= (7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) - 7/7 \\
&:= 8 + ((8/8 + 8) \times (((8888 - 8)/8) + 8) + 8) \\
&:= (9 \times (9 + 9)) + ((9/9 + 9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10143 &:= (11 + (11 - 1)) \times (((11 + 11)^{1+1}) - 1) \\
&:= (22 + 2/2) \times ((22 - 2/2)^2) \\
&:= 3 \times (((3 \times 3 + 3 + 3)^3) + 3) + 3 \\
&:= ((4^4 - 4)/4) + ((44 - 4) \times (4^4 - 4)) \\
&:= 5 + (((((5 + 5)/5)^5) + 5) \times ((5 \times 55) - 5/5)) \\
&:= 6 + ((666666/66) + (6 \times 6)) \\
&:= 7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77) \\
&:= (8/8 + 8) \times (((8888/8) + 8) + 8) \\
&:= (9 \times (9 + 9)) + (9999 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10144 &:= ((1 + 11)^{1+1}) + ((11 - 1)^{1+1+1+1}) \\
&:= 2 + (22 \times (22^2 - (22 + 2/2))) \\
&:= 3/3 + (3 \times (((3 \times 3 + 3 + 3)^3) + 3) + 3) \\
&:= ((4^4 + 4) \times (44 - 4)) - 4^4 \\
&:= (55/5 + 5) \times (((5^5 - 5)/5) + 5) + 5 \\
&:= (6 \times (6 \times (6 \times 6 + 66))) - ((6 + 6)/6 + 6) \\
&:= 7/7 + (7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - (88 + 8) \\
&:= 9/9 + ((9999 - (9 + 9)) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10145 &:= 1 + (((1 + 11)^{1+1}) + ((11 - 1)^{1+1+1+1})) \\
&:= 2 + ((22 + 2/2) \times ((22 - 2/2)^2)) \\
&:= (33/3) + (3 \times (((3 \times 3 + 3 + 3)^3) + 3)) \\
&:= 44 + (444444/44) \\
&:= 5 + ((5 + 5) \times (((5 - 5/5)^5) - (5 + 5))) \\
&:= (6 \times (6 \times (6 \times 6 + 66))) - (6/6 + 6) \\
&:= ((7 + 7)/7) + (7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) \\
&:= (((88/8) - 8)^8) + (8 \times (8 \times ((8 \times 8) - 8))) \\
&:= 9 + (((99 \times 99) + ((9 + 9) \times (9 + 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10146 &:= ((1 + 1)^{11+1}) + (((111 - 1)^{1+1})/(1 + 1)) \\
&:= (2 \times ((2 \times ((2 + 2 + 2)^2))^2)) - 222 \\
&:= 3 + (3 \times (((3 \times 3 + 3 + 3)^3) + 3) + 3) \\
&:= ((4 + 4)/4) + (((4^4 + 4) \times (44 - 4)) - 4^4) \\
&:= 5 + (((5 + 5) \times (((5 - 5/5)^5) - (5 + 5))) + 5/5) \\
&:= (6 \times (6 \times (6 \times 6 + 66))) - 6 \\
&:= ((77/7) \times (((77 \times (77 + 7)) - 7)/7)) - 7 \\
&:= (8/8 + 88) \times (((888 + 88)/8) - 8) \\
&:= 9 + (((((999/9) + 9999) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10147 &:= (1 + (((1 + 1)^{11-1}) \times (111 - (1 + 1))))/11 \\
&:= 2 + (((22 + 2/2) \times ((22 - 2/2)^2)) + 2) \\
&:= 3 + ((3 \times (((3 \times 3 + 3 + 3)^3) + 3) + 3) + 3/3) \\
&:= 4 + (((44 - 4) \times (4^4 - 4)) + ((4^4 - 4)/4)) \\
&:= 5 + (((5 + 5) \times (((5 - 5/5)^5) - (5 + 5))) + ((5 + 5)/5)) \\
&:= 6/6 + ((6 \times (6 \times (6 \times 6 + 66))) - 6) \\
&:= 7 + (((77 + 7)/7) \times (((77 \times 77) - (7 + 7))/7)) \\
&:= ((8/8 + (8 \times 8)) + 8) \times (8 \times (8 + 8) + (88/8)) \\
&:= 9 + (((99 - ((9 + 9)/9))^{(9+9)/9}) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10148 &:= ((1 + 1)^{11}) + (((11 - 1) \times (11 - 1 - 1))^{1+1+1}) \\
&:= (2^{22/2}) + ((2 \times 2 \times 22 + 2)^2) \\
&:= 3 + ((3 \times (((3 \times 3 + 3 + 3)^3) + 3)) + (33/3)) \\
&:= 4 + (((4^4 + 4) \times (44 - 4)) - 4^4) \\
&:= 5 + (((((5 + 5)/5)^5) + 5) \times ((5 \times 55) - 5/5)) + 5 \\
&:= ((6 + 6)/6) + ((6 \times (6 \times (6 \times 6 + 66))) - 6) \\
&:= ((777/7) + 7) \times (((7 + 7)/7) + 77) + 7 \\
&:= (88 - ((8 + 8)/8)) \times (((888 - 8)/8) + 8) \\
&:= 9 + ((99999/9) - (9 \times (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10149 &:= ((11 - 1) \times (1 + (1 + ((1 + 1)^{11-1})))) - 111 \\
&:= 2 + (((((22 + 2/2) \times ((22 - 2/2)^2)) + 2) + 2) \\
&:= 3^3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) - 3) \\
&:= 4^4 \times 44 - (4444/4 + 4) \\
&:= 5 + ((55/5 + 5) \times (((5^5 - 5)/5) + 5) + 5) \\
&:= (6 \times (6 \times (6 \times 6 + 66))) - (6 \times 6/(6 + 6)) \\
&:= 7 + ((7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) - 7/7) \\
&:= ((88 - 8) \times ((8 \times (8 + 8)) - 8/8)) - (88/8) \\
&:= (9 \times (9 + 9)) + (9999 - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10150 &:= (11 - 1) \times (1 + (1 + (((1 + 1)^{11-1}) - 11))) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) + (2^{22/2})) \\
&:= (33/3 + 3) \times ((3^{3+3}) - (3/3 + 3)) \\
&:= 4^4 \times 44 + (((4 - 4444)/4) - 4) \\
&:= 5 \times (((55 \times (5 - (5 \times 5))) + 5^5) + 5) \\
&:= (6 \times (6 \times (6 \times 6 + 66))) - ((6 + 6)/6) \\
&:= 7 + (7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) \\
&:= (((8 + 8)/8) + 8) \times ((8 \times (8 \times (8 + 8))) - (8/8 + 8)) \\
&:= (9 \times (9 + 9)) + (9999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10151 &:= (11 \times (1111 - (1 + 1))) - ((1 + 1)^{11}) \\
&:= (22 \times (22^2 - 22)) - ((22/2) + 2) \\
&:= 3^3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) - 3/3) \\
&:= (44/4) + ((4^4 + 4) \times (44 - (4/4 + 4))) \\
&:= 55 + ((55/5 + 5) \times (((5^5 + 5)/5) + 5)) \\
&:= (6 \times (6 \times (6 \times 6 + 66))) - 6/6 \\
&:= 7 + ((7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) + 7/7) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - (8/8 + 88) \\
&:= (9 \times (9 + 9)) + (9999 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10152 &:= (11 \times ((1 + 1)^{11-1})) - (1 + 1111) \\
&:= 2 \times (((22 - 2) \times (2^{2 \times (2+2)})) - (2 \times 22)) \\
&:= 3 \times (((3 \times 3 + 3 + 3)^3) + 3 \times 3) \\
&:= (4^4 \times (44 - 4)) - (44 + 44) \\
&:= (55 - 5/5) \times (((5 - (5 + 5)/5)^5) - 55) \\
&:= 6 \times (6 \times (6 \times 6 + 66)) \\
&:= ((77 + 7)/7) \times (((77 \times 77) - 7)/7) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - 88 \\
&:= (9 \times (9 + 9)) + (9999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10153 &:= (11 \times ((1 + 1)^{11-1})) - 1111 \\
&:= (22 \times (22^2 - 22)) - (22/2) \\
&:= 3^3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) + 3/3) \\
&:= 4^4 \times 44 - (4444/4) \\
&:= (55/5) \times (((5^5 - (5 + 5))/5) + (5 \times (55 + 5))) \\
&:= 6/6 + (6 \times (6 \times (6 \times 6 + 66))) \\
&:= 77/7 \times (((77 \times (77 + 7)) - 7)/7) \\
&:= 8/8 + ((8 \times ((8 + 8) \times (88 - 8))) - 88) \\
&:= 9/9 + ((9999 - 9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10154 &:= 1 + ((11 \times ((1 + 1)^{11-1})) - 1111) \\
&:= ((2 - 22)/2) + (22 \times (22^2 - 22)) \\
&:= 3 + (((3 \times ((3 \times 3 + 3 + 3)^3)) - 3/3) + 3^3) \\
&:= 4^4 \times 44 + ((4 - 4444)/4) \\
&:= 5 + (((55/5 + 5) \times (((5^5 - 5)/5) + 5) + 5) + 5) \\
&:= ((6 + 6)/6) + (6 \times (6 \times (6 \times 6 + 66))) \\
&:= (77/7) + (7 \times ((7 \times ((7 + 7) \times (7 + 7))) + 77)) \\
&:= ((8 + 8)/8) + ((8 \times ((8 + 8) \times (88 - 8))) - 88) \\
&:= ((9 + 9)/9) + ((9999 - 9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10155 &:= 1 + (1 + ((11 \times ((1 + 1)^{11-1})) - 1111)) \\
&:= 2 + ((22 \times (22^2 - 22)) - (22/2)) \\
&:= 3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) + 3^3) \\
&:= (4^4 \times (44 - 4)) - (((4 - 4/4)^4) + 4) \\
&:= 5 + ((5 \times ((5 \times (5 \times 55 + 5)) + 5)) + 5^5) \\
&:= (6 \times 6/(6 + 6)) + (6 \times (6 \times (6 \times 6 + 66))) \\
&:= 7 + (((777/7) + 7) \times (((7 + 7)/7) + 77) + 7) \\
&:= 8 + (((8/8 + (8 \times 8)) + 8) \times (8 \times (8 + 8) + (88/8))) \\
&:= (9 \times (9 + 9)) + (((9 + 9 + 9)/9) - 9) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10156 &:= 1 + (1 + (1 + ((11 \times ((1 + 1)^{11-1})) - 1111))) \\
&:= 2 \times (((2 - 22) \times (2 - (2^{2 \times (2+2)}))) - 2) \\
&:= 3 + (((3 \times ((3 \times 3 + 3 + 3)^3)) + 3^3) + 3/3) \\
&:= ((44 - 4) \times (4^4 - 4/4)) - 44 \\
&:= 55 + (555555/55) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 66))) - ((6 + 6)/6)) \\
&:= ((77 + 7) \times (((7 + 7)/7)^7) - 7) - (7/7 + 7) \\
&:= 8 + ((88 - ((8 + 8)/8)) \times (((888 - 8)/8) + 8)) \\
&:= 99 + (((9 + 9)/9)^{9-9/9}) + (99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10157 &:= ((1 + 111)/(1 + 1)) + (111111/11) \\
&:= ((2222/22)^2) - (2 \times 22) \\
&:= 33 + ((3 \times ((3 \times 3 + 3 + 3)^3)) - 3/3) \\
&:= 4 + ((4^4 \times 44) - (4444/4)) \\
&:= 5 + ((55 - 5/5) \times (((5 - (5 + 5)/5)^5) - 55)) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 66))) - 6/6) \\
&:= ((77 + 7) \times (((7 + 7)/7)^7) - 7) - 7 \\
&:= 8 \times 8 + ((888888/88) - 8) \\
&:= 9 + (((99999/9) - (9 \times (99 + 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10158 &:= (1 + 1 + 1) \times (11 + ((1 + (1 + 1 + 1 + 11)))^{1+1+1}) \\
&:= (22 \times (22^2 - 22)) - (2 + 2 + 2) \\
&:= 33 + (3 \times ((3 \times 3 + 3 + 3)^3)) \\
&:= 4 + (((4 - 4444)/4) + (4^4 \times 44)) \\
&:= ((5 + 5) \times (((5 - 5/5)^5) - 5)) - (((5 + 5)/5)^5) \\
&:= 6 + (6 \times (6 \times (6 \times 6 + 66))) \\
&:= 7/7 + (((77 + 7) \times (((7 + 7)/7)^7) - 7) - 7) \\
&:= ((88 - 8) \times ((8 \times (8 + 8)) - 8/8)) - ((8 + 8)/8) \\
&:= (9 \times (9 + 9)) + (9999 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10159 &:= (11 \times (1111 - 1)) - (1 + (1 + (1 + ((1 + 1)^{11})))) \\
&:= 2 + (((2222/22)^2) - (2 \times 22)) \\
&:= 3/3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) + 33) \\
&:= (4^4 \times (44 - 4)) - ((4 - 4/4)^4) \\
&:= ((55/5 + 5) \times (((5^5/5) + 5) + 5)) - 5/5 \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 66))) + 6/6) \\
&:= 7 + (((77 + 7)/7) \times (((77 \times 77) - 7)/7)) \\
&:= ((88 - 8) \times ((8 \times (8 + 8)) - 8/8)) - 8/8 \\
&:= (9 \times (9 + 9)) + (9999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10160 &:= (11 - 1) \times (1 + (1 + (1 + (((1 + 1)^{11-1}) - 11)))) \\
&:= 2 \times ((2 - 22) \times (2 - (2^{2 \times (2+2)}))) \\
&:= 3 + (((3 \times ((3 \times 3 + 3 + 3)^3)) - 3/3) + 33) \\
&:= (4 \times 4 + 4) \times ((4^4 - 4) + 4^4) \\
&:= (55/5 + 5) \times (((5^5/5) + 5) + 5) \\
&:= (6 \times (6 \times (6 \times 66))) - (((6 + 6)/6)^{6+6}) \\
&:= 7 + ((77/7) \times (((77 \times (77 + 7)) - 7)/7)) \\
&:= (88 - 8) \times ((8 \times (8 + 8)) - 8/8) \\
&:= (9 \times (9 + 9)) + (9999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10161 &:= (11 \times (1111 - 1)) - (1 + ((1 + 1)^{11})) \\
&:= (22 \times (22^2 - 22)) - (2/2 + 2) \\
&:= 3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) + 33) \\
&:= 4/4 + ((4 \times 4 + 4) \times ((4^4 - 4) + 4^4)) \\
&:= 5 + ((555555/55) + 55) \\
&:= 66 + ((666666/66) - 6) \\
&:= 7 \times 7 + (((7 + 7)/7)^7) \times (((7 + 7)/7) + 77) \\
&:= 8/8 + ((88 - 8) \times ((8 \times (8 + 8)) - 8/8)) \\
&:= (9 \times (9 + 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10162 &:= (11 \times (1111 - 1)) - ((1 + 1)^{11}) \\
&:= (22 \times (22^2 - 22)) - 2 \\
&:= 3 + (((3 \times ((3 \times 3 + 3 + 3)^3)) + 33) + 3/3) \\
&:= ((4 + 4)/4) + ((4 \times 4 + 4) \times ((4^4 - 4) + 4^4)) \\
&:= ((5 + 5)/5) + ((55/5 + 5) \times (((5^5/5) + 5) + 5)) \\
&:= ((66 - 6)/6) + (6 \times (6 \times (6 \times 6 + 66))) \\
&:= (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - (((7 + 7)/7)^7) \\
&:= ((8 + 8)/8) + ((88 - 8) \times ((8 \times (8 + 8)) - 8/8)) \\
&:= 9/9 + (9999 + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10163 &:= 1 + ((11 \times (1111 - 1)) - ((1 + 1)^{11})) \\
&:= (22 \times (22^2 - 22)) - 2/2 \\
&:= ((33/3 + 3) \times ((3^{3+3} - 3)) - 3/3) \\
&:= 4 + ((4^4 \times (44 - 4)) - ((4 - 4/4)^4)) \\
&:= 5 + (((5 + 5) \times (((5 - 5/5)^5) - 5)) - (((5 + 5)/5)^5)) \\
&:= (66/6) + (6 \times (6 \times (6 \times 6 + 66))) \\
&:= ((77 + 7) \times (((7 + 7)/7)^7) - 7) - 7/7 \\
&:= 88/8 + ((8 \times ((8 + 8) \times (88 - 8))) - 88) \\
&:= ((9 + 9)/9) + (9999 + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10164 &:= (11 + (11 - 1)) \times ((11 + 11)^{1+1}) \\
&:= 22 \times (22^2 - 22) \\
&:= (33/3 + 3) \times ((3^{3+3} - 3)) \\
&:= 4 + ((4 \times 4 + 4) \times ((4^4 - 4) + 4^4)) \\
&:= (55/5) \times ((5 \times (5 - (5 \times 5))) + ((5 - 5/5)^5)) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 66))) + 6) \\
&:= (77 + 7) \times (((7 + 7)/7)^7) - 7 \\
&:= (8 \times ((8 + 8) \times (88 - 8)) - 8) - ((88 + 8)/8) \\
&:= (9 \times (9 + 9)) + (9999 + (9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10165 &:= 1 + ((11 + (11 - 1)) \times ((11 + 11)^{1+1})) \\
&:= 2/2 + (22 \times (22^2 - 22)) \\
&:= 3/3 + ((33/3 + 3) \times ((3^{3+3} - 3)) \\
&:= (4^4 \times (44 - 4)) - (44 + 4^4)/4 \\
&:= ((5 + 5) \times (((5 - 5/5)^5) - 5)) - (5 \times 5) \\
&:= 6 + (((6 \times (6 \times (6 \times 6 + 66))) + 6/6) + 6) \\
&:= 7/7 + ((77 + 7) \times (((7 + 7)/7)^7) - 7) \\
&:= 8 \times 8 + (888888/88) \\
&:= (99 \times 99) + (((9 \times (9 \times (9 \times 9))) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10166 &:= 1 + (1 + ((11 + (11 - 1)) \times ((11 + 11)^{1+1}))) \\
&:= 2 + (22 \times (22^2 - 22)) \\
&:= 3 + (((33/3 + 3) \times ((3^{3+3} - 3)) - 3/3) \\
&:= ((4 - 44)/4) + ((44 + 4) \times (4^4 - 44)) \\
&:= 55 + (((5 + 5)^{5-5/5}) + (555/5)) \\
&:= 6 + ((6 \times (6 \times (6 \times 66))) - (((6 + 6)/6)^{6+6})) \\
&:= ((7 + 7)/7) + ((77 + 7) \times (((7 + 7)/7)^7) - 7) \\
&:= ((8 - 88)/8) + (8 \times (((8 + 8) \times (88 - 8)) - 8)) \\
&:= (99 \times 99) + (((9 \times (9 \times (9 \times 9))) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10167 &:= 1 + (1 + (1 + ((11 + (11 - 1)) \times ((11 + 11)^{1+1})))) \\
&:= 2 + ((22 \times (22^2 - 22)) + 2/2) \\
&:= 3 + ((33/3 + 3) \times ((3^{3+3} - 3)) \\
&:= 4 + (((4^4 \times (44 - 4)) - ((4 - 4/4)^4)) + 4) \\
&:= 55 + (((5 + 5)^{5-5/5}) + ((555 + 5)/5)) \\
&:= 66 + 666666/66 \\
&:= 7777 + ((7 \times (7 \times 7 \times 7)) - (77/7)) \\
&:= (8 \times (((8 + 8) \times (88 - 8)) - 8)) - (8/8 + 8) \\
&:= 9 + ((9999 - ((9 + 9 + 9)/9)) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10168 &:= ((1 + ((11 - 1)^{1+1}))^{1+1}) - (11 \times (1 + 1 + 1)) \\
&:= 2 + ((22 \times (22^2 - 22)) + 2) \\
&:= 3 + (((33/3 + 3) \times ((3^{3+3} - 3)) + 3/3) \\
&:= ((4 - 4^4) + 4) \times (4 - (44 + 4/4)) \\
&:= ((5 + 5)/5) \times ((5 \times (((5 - 5/5)^5) - 5)) - (55/5)) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 66))) + ((66 - 6)/6)) \\
&:= (((7 + 7)/7)^{7+7}) - ((7/7 + 7) \times 777) \\
&:= (8 \times (((8 + 8) \times (88 - 8)) - 8)) - 8 \\
&:= 9 + ((9999 - ((9 + 9)/9)) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10169 &:= ((1 + 1 + 11)^{1+1}) + ((11 - 1)^{1+1+1+1}) \\
&:= 2 + (((22 \times (22^2 - 22)) + 2/2) + 2) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) - 33)) - 3/3 \\
&:= 4 + ((4^4 \times (44 - 4)) - (44 + 4^4)/4) \\
&:= (5 \times (55 \times (((5 + 5)/5)^5) + 5)) - (5/5 + 5) \\
&:= 6 + ((6 \times (6 \times (6 \times 6 + 66))) + (66/6)) \\
&:= (((77 + 7)/7) \times (((77 + 77) + 7)/7)) - 7 \\
&:= 8/8 + ((8 \times (((8 + 8) \times (88 - 8)) - 8)) - 8) \\
&:= 9 + ((9999 - 9/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10170 &:= (11 - 1) \times ((11 - 1 - 1) \times (1 + (1 + 11))) \\
&:= 2 + (((22 \times (22^2 - 22)) + 2) + 2) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) - 33) \\
&:= ((44 - 4)/4) \times (((4 \times 4^4) - 44/4) + 4) \\
&:= (5 \times (55 \times (((5 + 5)/5)^5) + 5)) - 5 \\
&:= 666 + (66 \times ((6 + 6) \times (6 + 6))) \\
&:= 7 + ((77 + 7) \times (((7 + 7)/7)^7) - 7) - 7/7 \\
&:= ((8 + 8)/8) + ((8 \times (((8 + 8) \times (88 - 8)) - 8)) - 8) \\
&:= 9 + (9999 + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10171 &:= (11 \times 1111) - (1 + (1 + ((1 + 1)^{11}))) \\
&:= 2 + (((22 \times (22^2 - 22)) + 2/2) + 2) + 2 \\
&:= 3/3 + ((3 + 3) \times (((3 \times 3 + 3)^3) - 33)) \\
&:= (4^4 \times (44 - 4)) - (((4^4 + 4)/4) + 4) \\
&:= ((55/5 + 5) \times ((55 + 5^5)/5)) - 5 \\
&:= 6/6 + ((66 \times ((6 + 6) \times (6 + 6))) + 666) \\
&:= 7 + ((77 + 7) \times (((7 + 7)/7)^7) - 7) \\
&:= 88/8 + ((88 - 8) \times ((8 \times (8 + 8)) - 8/8)) \\
&:= 9 + ((9999 + (9 \times (9 + 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10172 &:= (11 \times 1111) - (1 + ((1 + 1)^{11})) \\
&:= (2 \times (2 + 2)) + (22 \times (22^2 - 22)) \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) - 33)) - 3/3) \\
&:= ((44 + 4) \times (4^4 - 44) - 4) \\
&:= 5^5 + (((5 \times 5) - 5/5) + 5) \times ((5 - (5 + 5)/5)^5) \\
&:= 6 + (((6 \times (6 \times (6 \times 66))) - ((6 + 6)/6)^{6+6}) + 6) \\
&:= 7 + (((77 + 7) \times (((7 + 7)/7)^7) - 7) + 7/7) \\
&:= (8 \times ((8 + 8) \times (88 - 8)) - 8) - (8 \times 8/(8 + 8)) \\
&:= (99/9) + (9999 + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10173 &:= (11 \times 1111) - ((1 + 1)^{11}) \\
&:= (22/2) + ((22 \times (22^2 - 22)) - 2) \\
&:= 3 + ((3 + 3) \times (((3 \times 3 + 3)^3) - 33)) \\
&:= 4/4 + (((44 + 4) \times (4^4 - 44) - 4) \\
&:= (5 \times (55 \times (((5 + 5)/5)^5) + 5)) - ((5 + 5)/5) \\
&:= 6 + ((666666/66) + 66) \\
&:= 7 + (((77 + 7) \times (((7 + 7)/7)^7) - 7) + (7 + 7)/7) \\
&:= 8 + ((888888/88) + (8 \times 8)) \\
&:= 9 \times 9 + ((999999/99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10174 &:= 1 + ((11 \times 1111) - ((1 + 1)^{11})) \\
&:= 2 + ((22 \times (22^2 - 22)) + (2 \times (2 + 2))) \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) - 33)) + 3/3) \\
&:= (4^4 \times (44 - 4)) - ((4^4 + 4 + 4)/4) \\
&:= (5 \times (55 \times (((5 + 5)/5)^5) + 5)) - 5/5 \\
&:= ((6 - 6/6) \times (((6 + 6)/6)^{66/6}) - 66) \\
&:= ((7 + 7) \times (777 - (7 \times 7))) - (77/7 + 7) \\
&:= (8 \times ((8 + 8) \times (88 - 8)) - 8) - ((8 + 8)/8) \\
&:= 9999/9 + ((9 \times (999 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10175 &:= 1 + (1 + ((11 \times 1111) - ((1 + 1)^{11}))) \\
&:= (22/2) + (22 \times (22^2 - 22)) \\
&:= 333 + (((3^3 \times 3) + 3/3)/(3 - 3/3)) \\
&:= (4^4 \times (44 - 4)) - ((4^4 + 4)/4) \\
&:= 5 \times (55 \times (((5 + 5)/5)^5) + 5) \\
&:= ((6 \times 6) - (66/6)) \times ((6 \times 66) + (66/6)) \\
&:= 77/7 \times (((77 \times (77 + 7)) + 7)/7) \\
&:= (8 \times ((8 + 8) \times (88 - 8)) - 8) - 8/8 \\
&:= (99/9) \times (((9 + 9)/9)^{9/9+9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10176 &:= 1 + (1 + (1 + ((11 \times 1111) - ((1 + 1)^{11})))) \\
&:= (22 + 2) \times (((22 - 2)^2) + 22) + 2 \\
&:= ((3/3 + 3)^3) \times (((3 + 3) \times 3^3) - 3) \\
&:= (44 + 4) \times (4^4 - 44) \\
&:= (55/5 + 5) \times ((55 + 5^5)/5) \\
&:= 6 + ((66 \times ((6 + 6) \times (6 + 6))) + 666) \\
&:= ((77 + 7)/7) \times (((77 \times 77) + 7)/7) \\
&:= 8 \times ((8 + 8) \times (88 - 8)) - 8 \\
&:= 99 + ((9999 - ((9 + 9 + 9)/9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10177 &:= ((1 + ((11 - 1)^{1+1}))^{1+1}) - ((1 + 1) \times (1 + 11)) \\
&:= ((2222/22)^2) - (22 + 2) \\
&:= 3/3 + (((3/3 + 3)^3) \times (((3 + 3) \times 3^3) - 3)) \\
&:= 4/4 + ((44 + 4) \times (4^4 - 44)) \\
&:= 5/5 + ((55/5 + 5) \times ((55 + 5^5)/5)) \\
&:= (6^{6-6/6}) + ((6/6 + 6)^{6-(6+6)/6}) \\
&:= 7777 + ((7 \times (7 \times 7 \times 7)) - 7/7) \\
&:= 8/8 + (8 \times ((8 + 8) \times (88 - 8)) - 8) \\
&:= 99 + ((9999 - ((9 + 9)/9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10178 &:= ((1 + ((11 - 1)^{1+1}))^{1+1}) - (1 + 11 + 11) \\
&:= 2 + ((22 + 2) \times (((22 - 2)^2) + 22) + 2) \\
&:= (33/3 + 3) \times (((3^3+3) - 3) + 3/3) \\
&:= ((4 + 4)/4) + ((44 + 4) \times (4^4 - 44)) \\
&:= ((5 + 5) \times (((5 - 5/5)^5) - 5)) - ((55 + 5)/5) \\
&:= (((6 + 6)/6 + 6) + 6) \times (((66 \times 66) + 6)/6) \\
&:= 7777 + (7 \times (7 \times 7 \times 7)) \\
&:= ((8 + 8)/8) + (8 \times ((8 + 8) \times (88 - 8)) - 8) \\
&:= 99 + ((9999 - 9/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10179 &:= ((1 + ((11 - 1)^{1+1}))^{1+1}) - (11 + 11) \\
&:= ((2222/22)^2) - 22 \\
&:= 3 \times (3333 + 33 + 3^3) \\
&:= 4 + ((4^4 \times (44 - 4)) - ((4^4 + 4)/4)) \\
&:= ((5 + 5) \times (((5 - 5/5)^5) - 5)) - (55/5) \\
&:= 6 + ((666666/66) + 66) + 6 \\
&:= 7/7 + (7777 + (7 \times (7 \times 7 \times 7))) \\
&:= (8/8 - 88) \times ((88/8) - (8 \times (8 + 8))) \\
&:= 99 + (9999 + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10180 &:= (11 - 1) \times (((1 + 1)^{11}) - (1 + 11))/(1 + 1) \\
&:= (2^{2+2}) + (22 \times (22^2 - 22)) \\
&:= 3/3 + (3 \times (3333 + 33 + 3^3)) \\
&:= 4 + ((44 + 4) \times (4^4 - 44)) \\
&:= 5 + (5 \times (55 \times (((5 + 5)/5)^5) + 5)) \\
&:= (6 - 6/6) \times (((6 + 6)/6)^{66/6}) - (6 + 6) \\
&:= ((7 + 7)/7) + (7777 + (7 \times (7 \times 7 \times 7))) \\
&:= (8 \times 8/(8 + 8)) + (8 \times ((8 + 8) \times (88 - 8)) - 8) \\
&:= (99 \times (99 + 9)) - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10181 &:= 1 + ((11 - 1) \times (((1 + 1)^{11}) - (1 + 11)) / (1 + 1)) \\
&:= 2 + (((2222/22)^2) - 22) \\
&:= 3 + ((33/3 + 3) \times (((3^3+3) - 3) + 3/3)) \\
&:= 4 + (((44 + 4) \times (4^4 - 44) + 4/4) \\
&:= 5 + ((55/5 + 5) \times ((55 + 5^5)/5)) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6)) - (6/6 + 6) \\
&:= ((7 + 7) \times (777 - (7 \times 7))) - (77/7) \\
&:= 88 + ((888888/88) - 8) \\
&:= 9 + ((9999 + 99/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10182 &:= (11 \times (1 + 1111)) - (1 + (1 + ((1 + 1)^{11}))) \\
&:= (((2 \times (2 + 2) + 2)^2) + 2^2) - 222 \\
&:= 3 + (3 \times (3333 + 33 + 3^3)) \\
&:= 4 + (((44 + 4) \times (4^4 - 44) + ((4 + 4)/4)) \\
&:= 5 + (((55/5 + 5) \times ((55 + 5^5)/5)) + 5/5) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6)) - 6 \\
&:= 7 + ((77/7) \times (((77 \times (77 + 7)) + 7)/7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8)) - 8)) - ((8 + 8)/8) \\
&:= 9 \times 9 + (999999/99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10183 &:= (11 \times (1 + 1111)) - (1 + ((1 + 1)^{11})) \\
&:= ((22 - 2/2) \times (22^2 + 2/2)) - 2 \\
&:= (3333/3) + (3^3 \times (333 + 3)) \\
&:= 4 + (((4^4 \times (44 - 4)) - ((4^4 + 4)/4) + 4) \\
&:= ((55 + 5)/5 + 5) \times (((5^5 - 5)/5) - (5 \times 5)) \\
&:= 6/6 + ((6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6)) - 6) \\
&:= 7 + (((77 + 7)/7) \times (((77 \times 77) + 7)/7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8)) - 8)) - 8/8 \\
&:= 9999/9 + (9 \times (999 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10184 &:= (11 \times (1 + 1111)) - ((1 + 1)^{11}) \\
&:= 2 \times ((2 \times ((2 \times (22 + 2))^2) + 22^2) \\
&:= (3 \times (3^3+3)) + (((33/3) + 3 \times 3^3) - 3) \\
&:= 4 + (((44 + 4) \times (4^4 - 44) + 4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - (55 + 5/5) \\
&:= (66 + 6/6) \times ((6 \times 6 \times 6) - (((6 + 6)/6)^6)) \\
&:= ((7 + 7) \times (777 - (7 \times 7))) - (7/7 + 7) \\
&:= 8 + (8 \times (((8 + 8) \times (88 - 8)) - 8)) \\
&:= (9 - 9/9) \times (9999/9 + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10185 &:= (1 + 1 + 1 + 1 + 1) \times (((1 + 1)^{11}) - 11) \\
&:= (22 - 2/2) \times (22^2 + 2/2) \\
&:= 3^3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) + 33) \\
&:= (4/4 + 4) \times ((4^4 \times (4 + 4)) - 44/4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - 55 \\
&:= (6 - 6/6) \times (((6 + 6)/6)^{66/6}) - (66/6) \\
&:= ((7 + 7) \times (777 - (7 \times 7))) - 7 \\
&:= 8 + ((8 \times (((8 + 8) \times (88 - 8)) - 8)) + 8/8) \\
&:= 99 + ((9999 - ((99 + 9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10186 &:= 11 \times ((1 + 11111)/(1 + 11)) \\
&:= 22 + (22 \times (22^2 - 22)) \\
&:= ((3/3 + 3)^3) + ((3 \times ((3 \times 3 + 3 + 3)^3)) - 3) \\
&:= ((4 - 44)/4) + ((4^4 \times (44 - 4)) - 44) \\
&:= 5/5 + (((5 + 5) \times ((5 - 5/5)^5)) - 55) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6)) - ((6 + 6)/6) \\
&:= 7/7 + (((7 + 7) \times (777 - (7 \times 7))) - 7) \\
&:= 8 + ((8 \times (((8 + 8) \times (88 - 8)) - 8)) + ((8 + 8)/8)) \\
&:= 99 + ((9999 - (99/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10187 &:= 1 + (11 \times ((1 + 11111)/(1 + 11))) \\
&:= 2 + ((22 - 2/2) \times (22^2 + 2/2)) \\
&:= (3 \times (3^3+3)) + (((33/3) + 3 \times 3^3) \\
&:= (44/4) + ((44 + 4) \times (4^4 - 44)) \\
&:= ((5 + 5)/5) + (((5 + 5) \times ((5 - 5/5)^5)) - 55) \\
&:= (6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6)) - 6/6 \\
&:= ((7 + 7)/7) + (((7 + 7) \times (777 - (7 \times 7))) - 7) \\
&:= 88/8 + (8 \times (((8 + 8) \times (88 - 8)) - 8)) \\
&:= 9 + ((9999 - 9/9) + 99) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10188 &:= ((1 + ((11 - 1)^{1+1}))^{1+1}) - (1 + 1 + 11) \\
&:= 2 + ((22 \times (22^2 - 22)) + 22) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) - 33) + 3) \\
&:= (4^4 \times (44 - 4)) - ((44 + 4) + 4) \\
&:= ((5 + 5) \times (((5 - 5/5)^5) - 5)) - ((5 + 5)/5) \\
&:= 6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6) \\
&:= 7 + (((7 + 7) \times (777 - (7 \times 7))) - (77/7)) \\
&:= ((88 + 8)/8) + (8 \times (((8 + 8) \times (88 - 8)) - 8)) \\
&:= 9 + ((9999 + 99) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10189 &:= ((1 + ((11 - 1)^{1+1}))^{1+1}) - 11 - 1 \\
&:= (22 + 2/2) \times (((22 - 2/2)^2) + 2) \\
&:= ((3/3 + 3)^3) + (3 \times ((3 \times 3 + 3 + 3)^3)) \\
&:= ((44/4)^4) - ((4444 + 4) + 4) \\
&:= ((5 + 5) \times (((5 - 5/5)^5) - 5)) - 5/5 \\
&:= 6/6 + (6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6)) \\
&:= 77 + (((7 + 7)/7)^7) \times (((7 + 7)/7) + 77)) \\
&:= 88 + (888888/88) \\
&:= 9 + ((99 \times (99 + 9)) - (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10190 &:= ((1 + ((11 - 1)^{1+1}))^{1+1}) - 11 \\
&:= (222 \times (2 \times 22 + 2)) - 22 \\
&:= 3 + (((33/3) + 3 \times 3^3) + (3 \times (3^3+3))) \\
&:= ((44 - 4)/4) \times ((4 \times 4^4) - (4/4 + 4)) \\
&:= (5 + 5) \times (((5 - 5/5)^5) - 5) \\
&:= ((6 + 6)/6) + (6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6)) \\
&:= ((7 + 7) \times (777 - (7 \times 7))) - ((7 + 7)/7) \\
&:= 8 + (((8 \times (((8 + 8) \times (88 - 8)) - 8)) - ((8 + 8)/8)) + 8) \\
&:= (9/9 + 9) \times (((99/9) + 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10191 &:= 1 + (((1 + ((11 - 1)^{1+1}))^{1+1}) - 11) \\
&:= 2 + ((22 + 2/2) \times (((22 - 2/2)^2) + 2)) \\
&:= 3 \times (3333 + ((3/3 + 3)^3)) \\
&:= 444/4 + ((44 - 4) \times (4^4 - 4)) \\
&:= 5/5 + ((5 + 5) \times (((5 - 5/5)^5) - 5)) \\
&:= (666/6) + ((6 \times 6 + 6 + 6) \times (6 \times 6 \times 6 - 6)) \\
&:= ((7 + 7) \times (777 - (7 \times 7))) - 7/7 \\
&:= (88 - (8/8 + 8)) \times (8 \times (8 + 8) + 8/8) \\
&:= 9 \times 9 + ((999/9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10192 &:= 1 + (1 + (((1 + ((11 - 1)^{1+1}))^{1+1}) - 11)) \\
&:= 2 + ((222 \times (2 \times 22 + 2)) - 22) \\
&:= (33/3 + 3) \times ((3^{3+3}) - 3/3) \\
&:= (4^4 \times (44 - 4)) - (44 + 4) \\
&:= ((5 + 5)/5) + ((5 + 5) \times (((5 - 5/5)^5) - 5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6)) - ((6 + 6)/6)) \\
&:= (7 + 7) \times (777 - (7 \times 7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8)) - 8) + 8) \\
&:= (((9 + 9)/9) + 99)^{(9+9)/9} - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10193 &:= 1 + (1 + (1 + (((1 + ((11 - 1)^{1+1}))^{1+1}) - 11))) \\
&:= ((2222/22)^2) - (2 \times (2 + 2)) \\
&:= 3/3 + ((33/3 + 3) \times ((3^{3+3}) - 3/3)) \\
&:= ((44/4)^4) - (4444 + 4) \\
&:= 5 + (((5 + 5) \times (((5 - 5/5)^5) - 5)) - ((5 + 5)/5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6)) - 6/6) \\
&:= 7/7 + ((7 + 7) \times (777 - (7 \times 7))) \\
&:= ((8888/88)^{(8+8)/8}) - 8 \\
&:= 9/9 + (((9 + 9)/9) + 99)^{(9+9)/9} - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10194 &:= (11 \times (1 + 1 + 1111)) - (1 + ((1 + 1)^{11})) \\
&:= 2 + (((222 \times (2 \times 22 + 2)) - 22) + 2) \\
&:= (33 \times ((3 \times (3 \times 33 + 3)) + 3)) - 3 \\
&:= (4^4 \times (44 - 4)) - (((4 + 4)/4) + 44) \\
&:= 5 + (((5 + 5) \times (((5 - 5/5)^5) - 5)) - 5/5) \\
&:= 6 + (6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6)) \\
&:= ((7 + 7)/7) + ((7 + 7) \times (777 - (7 \times 7))) \\
&:= 8 + (((8 \times ((8 + 8) \times (88 - 8)) - 8) + ((8 + 8)/8)) + 8) \\
&:= (9 \times (9 \times ((99 + 9 + 9) + 9))) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10195 &:= (11 \times (1 + 1 + 1111)) - ((1 + 1)^{11}) \\
&:= ((2222/22)^2) - (2 + 2 + 2) \\
&:= 3 + ((33/3 + 3) \times ((3^{3+3}) - 3/3)) \\
&:= (4^4 \times (44 - 4)) - (44 + 4/4) \\
&:= 5 + ((5 + 5) \times (((5 - 5/5)^5) - 5)) \\
&:= (((66 - 6/6) + (6 \times 6))^{(6+6)/6}) - 6 \\
&:= (((7 + 7 + 7)/7) + ((7 + 7) \times (777 - (7 \times 7)))) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8)) - 8) + (88/8)) \\
&:= (9 \times (9 \times ((99 + 9 + 9) + 9))) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10196 &:= (11 \times (((1 + 1)^{11}) - 1)) - (111^{1+1}) \\
&:= 2 \times (((22 - 2) \times (2^{2 \times (2+2)})) - 22) \\
&:= (33 \times ((3 \times (3 \times 33 + 3)) + 3)) - 3/3 \\
&:= (4^4 \times (44 - 4)) - 44 \\
&:= 5 + (((5 + 5) \times (((5 - 5/5)^5) - 5)) + 5/5) \\
&:= (6 \times ((6 \times (6 \times 66)) + 6)) - (((6 + 6)/6)^{6+6}) \\
&:= (77/7) + (((7 + 7) \times (777 - (7 \times 7))) - 7) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - (88/((8 + 8)/8)) \\
&:= 99 + ((9999 - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10197 &:= 11 \times (1 + ((1 + 11111)/(1 + 11))) \\
&:= ((2222/22)^2) - (2 + 2) \\
&:= 33 \times ((3 \times (3 \times 33 + 3)) + 3) \\
&:= ((44/4)^4) - 4444 \\
&:= 5 + (((5 + 5) \times (((5 - 5/5)^5) - 5)) + ((5 + 5)/5)) \\
&:= (6 \times 66) + (((666/6) - (6 + 6))^{(6+6)/6}) \\
&:= 7 + (((7 + 7) \times (777 - (7 \times 7))) - ((7 + 7)/7)) \\
&:= ((88/8) + 88) \times ((888/8) - 8) \\
&:= 99 + (9999 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10198 &:= ((1 + ((11 - 1)^{1+1}))^{1+1}) - (1 + 1 + 1) \\
&:= ((2222/22)^2) - (2/2 + 2) \\
&:= 3/3 + (33 \times ((3 \times (3 \times 33 + 3)) + 3)) \\
&:= 4/4 + (((44/4)^4) - 4444) \\
&:= ((5 + 5 + 5) \times ((5^5/5) + 55)) - ((5 + 5)/5) \\
&:= ((66 - 6)/6) + (6 \times ((6 \times (6 \times 6 \times 6 + 66)) + 6)) \\
&:= 7 + (((7 + 7) \times (777 - (7 \times 7))) - 7/7) \\
&:= 8/8 + (((88/8) + 88) \times ((888/8) - 8)) \\
&:= 9/9 + ((9999 + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10199 &:= ((1 + ((11 - 1)^{1+1}))^{1+1}) - (1 + 1) \\
&:= ((2222/22)^2) - 2 \\
&:= 3 + ((33 \times ((3 \times (3 \times 33 + 3)) + 3)) - 3/3) \\
&:= ((44 - 4) \times (4^4 - 4/4)) - 4/4 \\
&:= ((5 + 5 + 5) \times ((5^5/5) + 55)) - 5/5 \\
&:= ((66/6) + (6 \times 6)) \times ((6 \times 6 \times 6) + 6/6) \\
&:= 7 + ((7 + 7) \times (777 - (7 \times 7))) \\
&:= 8 + ((88 - (8/8 + 8)) \times (8 \times (8 + 8) + 8/8)) \\
&:= (9 - ((9 + 9)/9)) \times ((9 \times (9 \times (9 + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10200 &:= ((1 + ((11 - 1)^{1+1}))^{1+1}) - 1 \\
&:= (2 - 22) \times (2 - (2^{(2/2+2)^2})) \\
&:= 3 + (33 \times ((3 \times (3 \times 33 + 3)) + 3)) \\
&:= (44 - 4) \times (4^4 - 4/4) \\
&:= (5 + 5 + 5) \times ((5^5/5) + 55) \\
&:= ((66/6) + 6) \times (666 - 66) \\
&:= 7 + (((7 + 7) \times (777 - (7 \times 7))) + 7/7) \\
&:= 88 + ((8 + 8) \times (8 \times (88 - 8) - 8)) \\
&:= (9/9 + 99) \times ((999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10201 &:= (1 + ((11 - 1)^{1+1}))^{1+1} \\
&:= (2222/22)^2 \\
&:= (((3 \times 33) - 3/3) + 3)^{3-3/3} \\
&:= 4 + (((44/4)^4) - 4444) \\
&:= ((5 \times (5 \times 5 - 5)) + 5/5)^{(5+5)/5} \\
&:= ((66 - 6/6) + (6 \times 6))^{(6+6)/6} \\
&:= (7777/77)^{(7+7)/7} \\
&:= (8888/88)^{(8+8)/8} \\
&:= (((9 + 9)/9) + 99)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10202 &:= 1 + ((1 + ((11 - 1)^{1+1}))^{1+1}) \\
&:= 2/2 + ((2222/22)^2) \\
&:= ((3^{3+3}) \times (33/3 + 3)) - (3/3 + 3) \\
&:= ((4 + 4)/4) + ((44 - 4) \times (4^4 - 4/4)) \\
&:= 5/5 + (((5 \times (5 \times 5 - 5)) + 5/5)^{(5+5)/5}) \\
&:= 6/6 + (((66 - 6/6) + (6 \times 6))^{(6+6)/6}) \\
&:= 7/7 + (((7777/77)^{(7+7)/7}) \\
&:= 8/8 + (((8888/88)^{(8+8)/8}) \\
&:= 9/9 + (((9 + 9)/9) + 99)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10203 &:= 1 + (1 + ((1 + ((11 - 1)^{1+1}))^{1+1})) \\
&:= 2 + ((2222/22)^2) \\
&:= ((3^{3+3}) \times (33/3 + 3)) - 3 \\
&:= 4 + (((44 - 4) \times (4^4 - 4/4)) - 4/4) \\
&:= (5 - (5 + 5)/5) \times (((5 \times 55) + 5^5) + 5/5) \\
&:= 6 \times 6 + ((666666/66) + 66) \\
&:= (77/7) + ((7 + 7) \times (777 - (7 \times 7))) \\
&:= 8 + (((8 \times ((8 + 8) \times (88 - 8)) - 8)) + (88/8)) + 8 \\
&:= ((999/9) \times ((99/9) + (9 \times 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10204 &:= 1 + (1 + (1 + ((1 + ((11 - 1)^{1+1}))^{1+1}))) \\
&:= (22^{2/2+2}) - (2 \times 222) \\
&:= 3 + (((3 \times 33) - 3/3) + 3)^{3-3/3} \\
&:= 4 + ((44 - 4) \times (4^4 - 4/4)) \\
&:= 5 + (((5 + 5 + 5) \times ((5^5/5) + 55)) - 5/5) \\
&:= ((6 - 6/6) \times (((6 + 6)/6)^{66/6})) - (6 \times 6) \\
&:= ((77 + 7)/7) + ((7 + 7) \times (777 - (7 \times 7))) \\
&:= ((888/8) \times ((8 \times 8/(8 + 8)) + 88)) - 8 \\
&:= (9 \times (9 \times ((99 + 9 + 9) + 9))) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10205 &:= 1 + (1 + (1 + (1 + ((1 + ((11 - 1)^{1+1}))^{1+1})))) \\
&:= 2 + (((2222/22)^2) + 2) \\
&:= ((3^{3+3}) \times (33/3 + 3)) - 3/3 \\
&:= 4 + (((44/4)^4) - 4444) + 4 \\
&:= 5 + ((5 + 5 + 5) \times ((5^5/5) + 55)) \\
&:= 6 + (((66/6) + (6 \times 6)) \times ((6 \times 6 \times 6) + 6/6)) \\
&:= ((7 - 7/7) + 7) \times ((777 + 7/7) + 7) \\
&:= 8 + (((88/8) + 88) \times ((888/8) - 8)) \\
&:= (9 \times (9 \times ((99 + 9 + 9) + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10206 &:= (1 + 1 + 1 + 11) \times ((11 - 1 - 1)^{1+1+1}) \\
&:= (22^2 + 2) \times (22 - 2/2) \\
&:= (3^{3+3}) \times (33/3 + 3) \\
&:= ((4 - 4/4)^4) \times ((4^4 - 4)/((4 + 4)/4)) \\
&:= 5 + (((5 \times (5 \times 5 - 5)) + 5/5)^{(5+5)/5}) \\
&:= 6 + (((66/6) + 6) \times (666 - 66)) \\
&:= 7 + (((7 + 7) \times (777 - (7 \times 7))) + 7) \\
&:= (8 - (8/8 + 88)) \times (((8 + 8)/8) - (8 \times (8 + 8))) \\
&:= 9 \times (9 \times ((99 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10207 &:= (11 \times ((1 + 1)^{11})) - (111^{1+1}) \\
&:= 2 + (((2222/22)^2) + 2) + 2 \\
&:= 3/3 + ((3^{3+3}) \times (33/3 + 3)) \\
&:= (44/4) + ((4^4 \times (44 - 4)) - 44) \\
&:= (((5 + 5)/5) + 5^5) + (55 \times (5 - (5 \times 5 \times 5))) \\
&:= 6 + (((66 - 6/6) + (6 \times 6))^{(6+6)/6}) \\
&:= 7 + (((7 + 7) \times (777 - (7 \times 7))) + 7/7) + 7 \\
&:= (88888/8) - ((888 + 8) + 8) \\
&:= 9/9 + (9 \times (9 \times ((99 + 9 + 9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10208 &:= 1 + ((11 \times ((1 + 1)^{11})) - (111^{1+1})) \\
&:= 22 \times ((22^2 - 22) + 2) \\
&:= 3 + (((3^{3+3}) \times (33/3 + 3)) - 3/3) \\
&:= (4 + 4) \times (((4 \times 4^4) - 4) + 4^4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - (((5 + 5)/5)^5) \\
&:= 6 + (((66 - 6/6) + (6 \times 6))^{(6+6)/6}) + 6/6 \\
&:= 7 + (((7777/77)^{(7+7)/7}) \\
&:= 88 \times ((8 \times (8 + 8)) - ((88 + 8)/8)) \\
&:= ((9 + 9)/9) + (9 \times (9 \times ((99 + 9 + 9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10209 &:= ((11 - 1) \times (((1 + 1)^{11-1}) - (1 + 1))) - 11 \\
&:= 2/2 + (22 \times ((22^2 - 22) + 2)) \\
&:= 3 + ((3^{3+3}) \times (33/3 + 3)) \\
&:= 4/4 + ((4 + 4) \times (((4 \times 4^4) - 4) + 4^4)) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - (((5 \times 5) + 5/5) + 5) \\
&:= (6 \times (6 + 6 + 6)) + 666666/66 \\
&:= 7 + (((7777/77)^{(7+7)/7}) + 7/7) \\
&:= 8 + ((8888/88)^{(8+8)/8}) \\
&:= 9 + ((9/9 + 99) \times ((999/9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10210 &:= (11 - 1) \times (((1 + 1)^{11-1}) - (1 + 1 + 1)) \\
&:= (222 \times (2 \times 22 + 2)) - 2 \\
&:= 3 + (((3^{3+3}) \times (33/3 + 3)) + 3/3) \\
&:= ((44 - 4)/4) \times (((4 \times 4^4) - 4) + 4/4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - (5 \times 5 + 5) \\
&:= (6 - 6/6) \times (((6 + 6)/6)^{66/6}) - 6 \\
&:= 7 + (((7 + 7) \times (777 - (7 \times 7))) + (77/7)) \\
&:= 8 + (((8888/88)^{(8+8)/8}) + 8/8) \\
&:= 9 + (((9 + 9)/9) + 99)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10211 &:= 11 + (((1 + ((11 - 1)^{1+1}))^{1+1}) - 1) \\
&:= (222 \times (2 \times 22 + 2)) - 2/2 \\
&:= 3 + (((3^{3+3}) \times (33/3 + 3)) - 3/3 + 3) \\
&:= (44/4) + ((44 - 4) \times (4^4 - 4/4)) \\
&:= 5 + (((5 \times (5 \times 5 - 5)) + 5/5)^{(5+5)/5} + 5) \\
&:= 6 + (((66/6) + (6 \times 6)) \times ((6 \times 6 \times 6) + 6/6)) + 6) \\
&:= ((77 - 7/7) \times (((7 + 7)/7)^7 + 7)) - (7 \times 7) \\
&:= 88 + (((8 + 8) \times (8 \times (88 - 8) - 8)) + (88/8)) \\
&:= (99999/9) - ((9 \times 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10212 &:= 11 + ((1 + ((11 - 1)^{1+1}))^{1+1}) \\
&:= 222 \times (2 \times 22 + 2) \\
&:= 3 + (((3^{3+3}) \times (33/3 + 3)) + 3) \\
&:= 4 + ((4 + 4) \times (((4 \times 4^4) - 4) + 4^4)) \\
&:= (((5 + 5)/5)^5 + 5) \times (5 \times 55 + 5/5) \\
&:= 66 + ((6 \times (6 \times (6 \times 6 \times 6 + 66))) - 6) \\
&:= (777/7) \times (((7/7 + 77) + 7) + 7) \\
&:= (888/8) \times ((8 \times 8/(8 + 8)) + 88) \\
&:= (999/9) \times ((99/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10213 &:= 1 + (11 + ((1 + ((11 - 1)^{1+1}))^{1+1})) \\
&:= 2/2 + (222 \times (2 \times 22 + 2)) \\
&:= 3 + (((3^{3+3}) \times (33/3 + 3)) + 3/3 + 3) \\
&:= 4 \times 4 + (((44/4)^4) - 4444) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) - (((5 + 5)/5)^5)) \\
&:= 6 + (((66 - 6/6) + (6 \times 6))^{(6+6)/6} + 6) \\
&:= (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - 77 \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - (((88/8) + 8) + 8) \\
&:= (9 - ((9 + 9)/9)) \times ((9 \times (9 \times (9 + 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10214 &:= 1 + (1 + (11 + ((1 + ((11 - 1)^{1+1}))^{1+1}))) \\
&:= 2 + (222 \times (2 \times 22 + 2)) \\
&:= ((3 + 3)^3) + (3 \times 3333 - 3/3) \\
&:= 4 + (((44 - 4)/4) \times (((4 \times 4^4) - 4) + 4/4)) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - ((5 \times 5) + 5/5) \\
&:= ((6 + 6)/6) \times ((6666/6) + (6 \times 666)) \\
&:= 7/7 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - 77) \\
&:= 8 + ((8 - (8/8 + 88)) \times (((8 + 8)/8) - (8 \times (8 + 8)))) \\
&:= 9 + ((9 \times (9 \times ((99 + 9 + 9) + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10215 &:= (11 - 1 - 1) \times (111 + ((1 + 1)^{11-1})) \\
&:= 2 + ((222 \times (2 \times 22 + 2)) + 2/2) \\
&:= ((3 + 3)^3) + 3 \times 3333 \\
&:= (4/4 + 4) \times ((4^4 \times (4 + 4)) - (4/4 + 4)) \\
&:= 5 \times (((5 + 5)/5)^{55/5} - 5) \\
&:= (6 - 6/6) \times (((6 + 6)/6)^{66/6} - 6) + 6/6) \\
&:= 7 + (((7777/77)^{(7+7)/7} + 7) \\
&:= (88888/8) - (888 + 8) \\
&:= 9 + (9 \times (9 \times ((99 + 9 + 9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10216 &:= 1 + ((11 - 1 - 1) \times (111 + ((1 + 1)^{11-1}))) \\
&:= 2 + ((222 \times (2 \times 22 + 2)) + 2) \\
&:= 3/3 + ((3 \times 3333) + ((3 + 3)^3)) \\
&:= 4 \times 4 + ((44 - 4) \times (4^4 - 4/4)) \\
&:= 5/5 + (5 \times (((5 + 5)/5)^{55/5} - 5)) \\
&:= 6 + ((6 - 6/6) \times (((6 + 6)/6)^{66/6} - 6)) \\
&:= 7777 + ((7 \times (7 \times 7 \times 7 + 7)) - (77/7)) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - (8 + 8 + 8) \\
&:= 9 + ((9 \times (9 \times ((99 + 9 + 9) + 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10217 &:= (11 \times (1 + ((1 + 1)^{11}))) - (1 + (111^{1+1})) \\
&:= (2^{2+2}) + ((2222/22)^2) \\
&:= (33/3) + ((3^{3+3}) \times (33/3 + 3)) \\
&:= 4 + (((44/4)^4) - 4444) + 4 \times 4) \\
&:= 5 + (((5 + 5)/5)^5 + 5) \times (5 \times 55 + 5/5) \\
&:= 66 + ((6 \times (6 \times (6 \times 6 \times 6 + 66))) - 6/6) \\
&:= 7 + (((7 + 7) \times (777 - (7 \times 7))) + (77/7) + 7) \\
&:= 8 + (((8888/88)^{(8+8)/8} + 8) \\
&:= (99/9) + (9 \times (9 \times ((99 + 9 + 9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10218 &:= (11 \times (1 + ((1 + 1)^{11}))) - (111^{1+1}) \\
&:= 2 + (((222 \times (2 \times 22 + 2)) + 2) + 2) \\
&:= 3 + ((3 \times 3333) + ((3 + 3)^3)) \\
&:= (4^4 \times (44 - 4)) - (44/(4 + 4)/4) \\
&:= ((5 + 5)/5) \times ((5 \times ((5 - 5/5)^5)) - (55/5)) \\
&:= 66 + (6 \times (6 \times (6 \times 6 \times 6 + 66))) \\
&:= ((7 - 7/7) + 7) \times (((7 + 7)/7) + 777) + 7) \\
&:= ((8 + 8)/8) \times ((8 \times (8 \times (88 - 8))) - 88/8) \\
&:= 9 + (((9/9 + 99) \times ((999/9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10219 &:= ((11 - 1) \times (((1 + 1)^{11-1} - 1)) - 11) \\
&:= 2 + (((2222/22)^2) + (2^{2+2})) \\
&:= 3 + (((3 \times 3333) + ((3 + 3)^3)) + 3/3) \\
&:= (4^4 \times (44 - 4)) - (((4 \times 4) + 4/4) + 4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) - ((5 \times 5) + 5/5)) \\
&:= 66 + ((6 \times (6 \times (6 \times 6 \times 6 + 66))) + 6/6) \\
&:= 7 + ((777/7) \times (((7/7 + 77) + 7) + 7)) \\
&:= 8888 + ((88/8)^{88/8-8}) \\
&:= 9 + (((9 + 9)/9) + 99)^{(9+9)/9} + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10220 &:= (11 - 1) \times (((1 + 1)^{11-1} - (1 + 1))) \\
&:= 2 \times (((222 \times (22 + 2/2)) + 2) + 2) \\
&:= (33/3 + 3) \times ((3^{3+3}) + 3/3) \\
&:= (4/4 + 4) \times ((4^4 \times (4 + 4)) - 4) \\
&:= 5 + (5 \times (((5 + 5)/5)^{55/5} - 5)) \\
&:= 66 + ((6 \times (6 \times (6 \times 6 \times 6 + 66))) + ((6 + 6)/6)) \\
&:= (77 - 7) \times ((7 \times (7 + 7 + 7)) - 7/7) \\
&:= (((88 + 8)/8) + 8) \times ((8 \times 8 \times 8) - 8/8) \\
&:= (99999/9) - (9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10221 &:= 1 + ((11 - 1) \times (((1 + 1)^{11-1}) - (1 + 1))) \\
&:= 22 + (((2222/22)^2) - 2) \\
&:= (3 \times (((3 \times 3 + 3 + 3)^3) + 33)) - 3 \\
&:= 4/4 + ((4/4 + 4) \times ((4^4 \times (4 + 4)) - 4)) \\
&:= 5 + ((5 \times (((5 + 5)/5)^{55/5}) - 5)) + 5/5 \\
&:= (6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) - (666/6) \\
&:= 7/7 + ((77 - 7) \times ((7 \times (7 + 7 + 7)) - 7/7)) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - ((88/8) + 8) \\
&:= 9 + ((999/9) \times ((99/9) + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10222 &:= 1 + (1 + ((11 - 1) \times (((1 + 1)^{11-1}) - (1 + 1)))) \\
&:= 222 + ((2 \times (2 + 2) + 2)^{2+2}) \\
&:= 3/3 + ((3 \times (((3 \times 3 + 3 + 3)^3) + 33)) - 3) \\
&:= (4^4 \times (44 - 4)) - (((4 + 4)/4) + 4 \times 4) \\
&:= (((5 + 5)/5)^5) + ((5 + 5) \times (((5 - 5/5)^5) - 5)) \\
&:= 6 + (((6 - 6/6) \times (((6 + 6)/6)^{66/6}) - 6)) + 6 \\
&:= (((77 + 7)/7) + 7) \times ((7 \times 77) - 7/7) \\
&:= ((8 + 8)/8) \times ((8 \times (8 \times (88 - 8))) - (8/8 + 8)) \\
&:= ((99/9 + 9) \times (((9 + 9)/9)^9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10223 &:= 11 + (11 + ((1 + ((11 - 1)^{1+1}))^{1+1})) \\
&:= 22 + ((2222/22)^2) \\
&:= 3 + ((33/3 + 3) \times ((3^{3+3}) + 3/3)) \\
&:= (4^4 \times (44 - 4)) - ((4 \times 4) + 4/4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - ((55 + 5)/5 + 5) \\
&:= (6 \times (((6 \times (6 \times 6 + 6 + 66)) + 6) + 6)) - 6/6 \\
&:= (77 \times ((77 + 7 \times 7) + 7)) - (77/7 + 7) \\
&:= (88888/8) - 888 \\
&:= 9 + (((9 \times (9 \times ((99 + 9 + 9) + 9))) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10224 &:= (((11 \times (1 + 1 + 11))^{1+1}) - 1)/(1 + 1) \\
&:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 222) \\
&:= 3 \times (((3 \times 3 + 3 + 3)^3) + 33) \\
&:= (4^4 \times (44 - 4)) - (4 \times 4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - (55/5 + 5) \\
&:= 6 \times (((6 \times (6 \times 6 + 6 + 66)) + 6) + 6) \\
&:= 7 \times 7 + ((77/7) \times (((77 \times (77 + 7)) + 7)/7)) \\
&:= (8 + 8) \times ((8 \times (88 - 8)) - 8/8) \\
&:= 9 + ((9 \times (9 \times ((99 + 9 + 9) + 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10225 &:= (1 + ((11 \times (1 + 1 + 11))^{1+1}))/ (1 + 1) \\
&:= 2 + (((2222/22)^2) + 22) \\
&:= 3/3 + (3 \times (((3 \times 3 + 3 + 3)^3) + 33)) \\
&:= 4/4 + ((4^4 \times (44 - 4)) - 4 \times 4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - (5 + 5 + 5) \\
&:= 6/6 + (6 \times (((6 \times (6 \times 6 + 6 + 66)) + 6) + 6)) \\
&:= 7 + (((7 - 7/7) + 7) \times (((7 + 7)/7) + 777 + 7)) \\
&:= 8/8 + ((8 + 8) \times ((8 \times (88 - 8)) - 8/8)) \\
&:= 9 + (((9 \times (9 \times ((99 + 9 + 9) + 9))) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10226 &:= 1 + ((1 + ((11 \times (1 + 1 + 11))^{1+1}))/ (1 + 1)) \\
&:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 222) + 2) \\
&:= 3 + (((33/3 + 3) \times ((3^{3+3}) + 3/3)) + 3) \\
&:= ((4 + 4)/4) + ((4^4 \times (44 - 4)) - 4 \times 4) \\
&:= 5 \times 5 + (((5 \times (5 \times 5 - 5)) + 5/5)^{(5+5)/5}) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) - (((6 + 6)/6)^{6+6})) \\
&:= 7777 + ((7 \times (7 \times 7 \times 7 + 7)) - 7/7) \\
&:= ((8 + 8)/8) + ((8 + 8) \times ((8 \times (88 - 8)) - 8/8)) \\
&:= 9 + ((9 \times (9 \times ((99 + 9 + 9) + 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10227 &:= ((11 - 1) \times ((1 + 1)^{11-1})) - (1 + 1 + 11) \\
&:= (22 - 2/2) \times ((22^2 + 2/2) + 2) \\
&:= 3 + (3 \times (((3 \times 3 + 3 + 3)^3) + 33)) \\
&:= 4 + ((4^4 \times (44 - 4)) - ((4 \times 4) + 4/4)) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - ((55 + 5 + 5)/5) \\
&:= (666/6) + (6 \times ((6 \times (6 \times 6 + 6 + 66)) - 6)) \\
&:= 7777 + (7 \times (7 \times 7 \times 7 + 7)) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - ((88 + 8 + 8)/8) \\
&:= 9 + (((9/9 + 99) \times ((999/9) - 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10228 &:= ((11 - 1) \times ((1 + 1)^{11-1})) - 11 - 1 \\
&:= 22 + ((22^2 + 2) \times (22 - 2/2)) \\
&:= 3 + ((3 \times (((3 \times 3 + 3 + 3)^3) + 33)) + 3/3) \\
&:= 4 + ((4^4 \times (44 - 4)) - 4 \times 4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - ((55 + 5)/5) \\
&:= ((6 - 6/6) \times (((6 + 6)/6)^{66/6})) - (6 + 6) \\
&:= 7/7 + ((7 \times (7 \times 7 \times 7 + 7)) + 7777) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - ((88 + 8)/8) \\
&:= 9 + (((9/9 + 99) + 99)^{(9+9)/9}) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10229 &:= ((11 - 1) \times ((1 + 1)^{11-1})) - 11 \\
&:= 2 + ((22 - 2/2) \times ((22^2 + 2/2) + 2)) \\
&:= 3 \times 3 + ((33/3 + 3) \times ((3^{3+3}) + 3/3)) \\
&:= (4^4 \times (44 - 4)) - (44/4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - (55/5) \\
&:= (66 \times (((6 + 6) \times (6 + 6)) + (66/6))) - 6/6 \\
&:= 7 + (((77 + 7)/7) + 7) \times ((7 \times 77) - 7/7) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - (88/8) \\
&:= 9 + ((99999/9) - (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10230 &:= (11 - 1) \times (((1 + 1)^{11-1}) - 1) \\
&:= (2/2 + 2 + 2) \times ((2^{22/2}) - 2) \\
&:= 33 \times (((3/3 + 3 + 3)^3) - 33) \\
&:= ((4 - 44)/4) + (4^4 \times (44 - 4)) \\
&:= (5 + 5) \times (((5 - 5/5)^5) - 5/5) \\
&:= 66 \times (((6 + 6) \times (6 + 6)) + (66/6)) \\
&:= (77 \times ((77 + 7 \times 7) + 7)) - (77/7) \\
&:= ((8 - 88)/8) + (8 \times ((8 + 8) \times (88 - 8))) \\
&:= 9 + (((999/9) \times ((99/9) + (9 \times 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10231 &:= 1 + ((11 - 1) \times (((1 + 1)^{11-1}) - 1)) \\
&:= 2/2 + ((2/2 + 2 + 2) \times ((2^{22/2}) - 2)) \\
&:= 3/3 + (33 \times (((3/3 + 3 + 3)^3) - 33)) \\
&:= (4^4 \times (44 - 4)) - ((4/4 + 4) + 4) \\
&:= 5/5 + ((5 + 5) \times (((5 - 5/5)^5) - 5/5)) \\
&:= 6/6 + (66 \times (((6 + 6) \times (6 + 6)) + (66/6))) \\
&:= ((7 - 77)/7) + (77 \times ((77 + 7 \times 7) + 7)) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - (8/8 + 8) \\
&:= ((99/9 + 9) \times (((9 + 9)/9)^9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10232 &:= 1 + (1 + ((11 - 1) \times (((1 + 1)^{11-1}) - 1))) \\
&:= 2 + ((2/2 + 2 + 2) \times ((2^{22/2}) - 2)) \\
&:= 3^3 + (((3^3+3) \times (33/3 + 3)) - 3/3) \\
&:= (4^4 \times (44 - 4)) - (4 + 4) \\
&:= ((5 + 5)/5) + ((5 + 5) \times (((5 - 5/5)^5) - 5/5)) \\
&:= ((6 + 6)/6) + (66 \times (((6 + 6) \times (6 + 6)) + (66/6))) \\
&:= (77 \times ((77 + 7 \times 7) + 7)) - ((7 + 7)/7 + 7) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - 8 \\
&:= (99 \times 99) + (((9 + 9)/9)^9) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10233 &:= 1 + (1 + (1 + ((11 - 1) \times (((1 + 1)^{11-1}) - 1)))) \\
&:= 22 + ((222 \times (2 \times 22 + 2)) - 2/2) \\
&:= 3 \times (((3 \times 3 + 3 + 3)^3) + 33) + 3 \\
&:= 4 + ((4^4 \times (44 - 4)) - 44/4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - (((5 + 5)/5) + 5) \\
&:= ((6 \times 6)/(6 + 6))^6 + (66 \times ((6 + 6) \times (6 + 6))) \\
&:= (77 \times ((77 + 7 \times 7) + 7)) - (7/7 + 7) \\
&:= 8/8 + ((8 \times ((8 + 8) \times (88 - 8))) - 8) \\
&:= (9 \times (9 + 9 + 9)) + (9999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10234 &:= ((1 + 1 + 1 + 1 + 1) \times (((1 + 1)^{11}) - 1)) - 1 \\
&:= 22 + (222 \times (2 \times 22 + 2)) \\
&:= (33/3 + 3) \times (((3^3+3) - 3/3) + 3) \\
&:= (4^4 \times (44 - 4)) - (((4 + 4)/4) + 4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - (5/5 + 5) \\
&:= ((6 - 6/6) \times (((6 + 6)/6)^{66/6})) - 6 \\
&:= (77 \times ((77 + 7 \times 7) + 7)) - 7 \\
&:= ((8 + 8)/8) + ((8 \times ((8 + 8) \times (88 - 8))) - 8) \\
&:= 9/9 + (((9 \times (9 + 9 + 9)) - 9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10235 &:= (1 + 1 + 1 + 1 + 1) \times (((1 + 1)^{11}) - 1) \\
&:= (2/2 + 2 + 2) \times ((2^{22/2}) - 2/2) \\
&:= (33/3) + (3 \times (((3 \times 3 + 3 + 3)^3) + 33)) \\
&:= (4^4 \times (44 - 4)) - (4/4 + 4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - 5 \\
&:= (6 - 6/6) \times (((6 + 6)/6)^{66/6}) - 6/6 \\
&:= 7/7 + ((77 \times ((77 + 7 \times 7) + 7)) - 7) \\
&:= 88/8 + ((8 + 8) \times ((8 \times (88 - 8)) - 8/8)) \\
&:= 9 + (((9 \times (9 \times ((99 + 9 + 9) + 9))) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10236 &:= 1 + ((1 + 1 + 1 + 1 + 1) \times (((1 + 1)^{11}) - 1)) \\
&:= 2 \times (((22 - 2) \times (2^{2 \times (2+2)})) - 2) \\
&:= 3 + (((3^3+3) \times (33/3 + 3)) + 3^3) \\
&:= (4^4 \times (44 - 4)) - 4 \\
&:= 5/5 + (((5 + 5) \times ((5 - 5/5)^5)) - 5) \\
&:= 6 + (66 \times (((6 + 6) \times (6 + 6)) + (66/6))) \\
&:= ((7 + 7)/7) + ((77 \times ((77 + 7 \times 7) + 7)) - 7) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - (8 \times 8/(8 + 8)) \\
&:= (99 \times 99) + (((9 + 9) \times (9 + 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10237 &:= ((11 - 1) \times ((1 + 1)^{11-1})) - (1 + 1 + 1) \\
&:= 2 + ((2/2 + 2 + 2) \times ((2^{22/2}) - 2/2)) \\
&:= 3 + ((33/3 + 3) \times (((3^3+3) - 3/3) + 3)) \\
&:= 4/4 + ((4^4 \times (44 - 4)) - 4) \\
&:= ((5 + 5)/5) + (((5 + 5) \times ((5 - 5/5)^5)) - 5) \\
&:= 6 \times 6 + (((66 - 6/6) + (6 \times 6))^{(6+6)/6}) \\
&:= 7 + ((77 \times ((77 + 7 \times 7) + 7)) - (77/7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8))) - 88/8) \\
&:= 9 + ((((((9 + 9)/9) + 99)^{(9+9)/9}) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10238 &:= ((11 - 1) \times ((1 + 1)^{11-1})) - (1 + 1) \\
&:= (2 \times ((22 - 2) \times (2^{2 \times (2+2)}))) - 2 \\
&:= 33 + (((3^3+3) \times (33/3 + 3)) - 3/3) \\
&:= (4^4 \times (44 - 4)) - ((4 + 4)/4) \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - ((5 + 5)/5) \\
&:= ((6 - 6/6) \times (((6 + 6)/6)^{66/6})) - ((6 + 6)/6) \\
&:= (77 \times ((77 + 7 \times 7) + 7)) - ((7 + 7 + 7)/7) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - ((8 + 8)/8) \\
&:= 9 + (((99999/9) - (9 \times 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10239 &:= ((11 - 1) \times ((1 + 1)^{11-1})) - 1 \\
&:= (2 \times ((22 - 2) \times (2^{2 \times (2+2)}))) - 2/2 \\
&:= 33 + ((3^3+3) \times (33/3 + 3)) \\
&:= (4^4 \times (44 - 4)) - 4/4 \\
&:= ((5 + 5) \times ((5 - 5/5)^5)) - 5/5 \\
&:= ((6 - 6/6) \times (((6 + 6)/6)^{66/6})) - 6/6 \\
&:= (77 \times ((77 + 7 \times 7) + 7)) - ((7 + 7)/7) \\
&:= (8 \times ((8 + 8) \times (88 - 8))) - 8/8 \\
&:= ((99/9 + 9) \times (((9 + 9)/9)^9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10240 &:= (11 - 1) \times ((1 + 1)^{11-1}) \\
&:= 2 \times ((22 - 2) \times (2^{2 \times (2+2)})) \\
&:= ((3 - 3/3) + 3) \times ((3 - 3/3)^{33/3}) \\
&:= 4^4 \times (44 - 4) \\
&:= (5 + 5) \times ((5 - 5/5)^5) \\
&:= (6 - 6/6) \times (((6 + 6)/6)^{66/6}) \\
&:= (77 \times ((77 + 7 \times 7) + 7)) - 7/7 \\
&:= 8 \times ((8 + 8) \times (88 - 8)) \\
&:= (99/9 + 9) \times (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10241 &:= 1 + ((11 - 1) \times ((1 + 1)^{11-1})) \\
&:= 2/2 + (2 \times ((22 - 2) \times (2^{2 \times (2+2)}))) \\
&:= ((33/3)^3) + (3^3 \times (333 - 3)) \\
&:= 4/4 + (4^4 \times (44 - 4)) \\
&:= 5/5 + ((5 + 5) \times ((5 - 5/5)^5)) \\
&:= 6/6 + (((6 - 6/6) \times (((6 + 6)/6)^{66/6})) \\
&:= 77 \times ((77 + 7 \times 7) + 7) \\
&:= 8/8 + (8 \times ((8 + 8) \times (88 - 8))) \\
&:= 9/9 + ((99/9 + 9) \times (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10242 &:= 1 + (1 + ((11 - 1) \times ((1 + 1)^{11-1}))) \\
&:= 2 + (2 \times ((22 - 2) \times (2^{2 \times (2+2)}))) \\
&:= 3 \times (3333 + 3 \times 3^3) \\
&:= ((4 + 4)/4) + (4^4 \times (44 - 4)) \\
&:= ((5 + 5)/5) + ((5 + 5) \times ((5 - 5/5)^5)) \\
&:= 666 + ((6 + 6) \times ((66 \times (6 + 6)) + 6)) \\
&:= 7/7 + (77 \times ((77 + 7 \times 7) + 7)) \\
&:= ((8 + 8)/8) + (8 \times ((8 + 8) \times (88 - 8))) \\
&:= (9 \times (9 + 9 + 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10243 &:= 1 + (1 + (1 + ((11 - 1) \times ((1 + 1)^{11-1})))) \\
&:= 2 + ((2 \times ((22 - 2) \times (2^{2 \times (2+2)}))) + 2/2) \\
&:= 3/3 + (3 \times (3333 + 3 \times 3^3)) \\
&:= 4 + ((4^4 \times (44 - 4)) - 4/4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) - ((5 + 5)/5)) \\
&:= 6 + (((66 - 6/6) + (6 \times 6))^{(6+6)/6}) + (6 \times 6) \\
&:= ((7 + 7)/7) + (77 \times ((77 + 7 \times 7) + 7)) \\
&:= 88/8 + ((8 \times ((8 + 8) \times (88 - 8))) - 8) \\
&:= 9/9 + ((9 \times (9 + 9 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10244 &:= ((1 + ((1 + 1)^{11})) \times (1 + 1 + 1 + 1 + 1)) - 1 \\
&:= 2 \times (((22 - 2) \times (2^{2 \times (2+2)})) + 2) \\
&:= 3 + ((3^3 \times (333 - 3)) + ((33/3)^3)) \\
&:= 4 + (4^4 \times (44 - 4)) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) - 5/5) \\
&:= (6/6 + 6 + 6) \times (((66 \times (6 + 6)) - 6) + ((6 + 6)/6)) \\
&:= ((7 - 7/7) + 7) \times ((77/7) + 777) \\
&:= (8 \times 8/(8 + 8)) + (8 \times ((8 + 8) \times (88 - 8))) \\
&:= ((9 + 9)/9) + ((9 \times (9 + 9 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10245 &:= (1 + ((1 + 1)^{11})) \times (1 + 1 + 1 + 1 + 1) \\
&:= (2 \times 22) + ((2222/22)^2) \\
&:= 3 + (3 \times (3333 + 3 \times 3^3)) \\
&:= 4 + ((4^4 \times (44 - 4)) + 4/4) \\
&:= 5 + ((5 + 5) \times ((5 - 5/5)^5)) \\
&:= (6 - 6/6) \times (((6 + 6)/6)^{66/6}) + 6/6 \\
&:= (77/7) + ((77 \times ((77 + 7 \times 7) + 7)) - 7) \\
&:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) - 88/8) + 8) \\
&:= (9 \times (9 + 9 + 9)) + (9999 + ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10246 &:= 1 + ((1 + ((1 + 1)^{11})) \times (1 + 1 + 1 + 1 + 1)) \\
&:= 2 + (2 \times (((22 - 2) \times (2^{2 \times (2+2)})) + 2)) \\
&:= 3 + ((3 \times (3333 + 3 \times 3^3)) + 3/3) \\
&:= 4 + ((4^4 \times (44 - 4)) + ((4 + 4)/4)) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) + 5/5) \\
&:= 6 + ((6 - 6/6) \times (((6 + 6)/6)^{66/6})) \\
&:= 7 + ((77 \times ((77 + 7 \times 7) + 7)) - ((7 + 7)/7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8))) - ((8 + 8)/8)) \\
&:= (99 \times 99) + (((9 \times (9 \times 99)) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10247 &:= 1 + (1 + ((1 + ((1 + 1)^{11})) \times (1 + 1 + 1 + 1 + 1))) \\
&:= 2 + (((2222/22)^2) + 2 \times 22) \\
&:= ((33/3 + 3) \times ((3^{3+3}) + 3)) - 3/3 \\
&:= 4 + (((4^4 \times (44 - 4)) - 4/4) + 4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) + ((5 + 5)/5)) \\
&:= (66666/6) - (6 \times ((6 + 6) \times (6 + 6))) \\
&:= 7 + ((77 \times ((77 + 7 \times 7) + 7)) - 7/7) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8))) - 8/8) \\
&:= (99 \times 99) + (((9 \times (9 \times 99)) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10248 &:= ((11 - 1) \times (1 + ((1 + 1)^{11-1}))) - (1 + 1) \\
&:= (2 \times 22 - 2) \times ((22^2/2) + 2) \\
&:= (33/3 + 3) \times ((3^{3+3}) + 3) \\
&:= 4 + ((4^4 \times (44 - 4)) + 4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) - ((5 + 5)/5) + 5) \\
&:= (((6 + 6)/6 + 6) + 6) \times (666 + 66) \\
&:= 7 + (77 \times ((77 + 7 \times 7) + 7)) \\
&:= 8 + (8 \times ((8 + 8) \times (88 - 8))) \\
&:= 9 + (((99/9 + 9) \times (((9 + 9)/9)^9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10249 &:= ((11 - 1) \times (1 + ((1 + 1)^{11-1}))) - 1 \\
&:= 2/2 + ((2 \times 22 - 2) \times ((22^2/2) + 2)) \\
&:= 3/3 + ((33/3 + 3) \times ((3^{3+3}) + 3)) \\
&:= 4 + (((4^4 \times (44 - 4)) + 4/4) + 4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) - 5/5) + 5) \\
&:= (6 \times ((6 \times (6 \times 66)) - 666)) - (66/6) \\
&:= 7 + ((77 \times ((77 + 7 \times 7) + 7)) + 7/7) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8))) + 8/8) \\
&:= 9 + ((99/9 + 9) \times (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10250 &:= (11 - 1) \times (1 + ((1 + 1)^{11-1})) \\
&:= (2/2 + 2 + 2) \times ((2^{22/2}) + 2) \\
&:= (((3 - 3/3) + 3)^3) \times ((3 \times 3^3) + 3/3) \\
&:= ((44 - 4)/4) + (4^4 \times (44 - 4)) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) + 5) \\
&:= (6 - 6/6) \times (((6 + 6)/6)^{66/6}) + ((6 + 6)/6) \\
&:= (7/7 + (7 \times 7)) \times (((7 + 7)/7)^7) + 77 \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8))) + ((8 + 8)/8)) \\
&:= 9 + (((99/9 + 9) \times (((9 + 9)/9)^9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10251 &:= 1 + ((11 - 1) \times (1 + ((1 + 1)^{11-1})) \\
&:= (22 \times (2 \times 222 + 22)) - 2/2 \\
&:= 3 + ((33/3 + 3) \times ((3^{3+3} + 3)) \\
&:= (44/4) + (4^4 \times (44 - 4)) \\
&:= (55/5) + ((5 + 5) \times ((5 - 5/5)^5)) \\
&:= (66 + 6/6) \times (((666/6) + (6 \times 6)) + 6) \\
&:= 7 + (((7 - 7/7) + 7) \times ((77/7) + 777)) \\
&:= 88/8 + (8 \times ((8 + 8) \times (88 - 8))) \\
&:= 9 + ((9 \times (9 + 9 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10252 &:= 1 + (1 + ((11 - 1) \times (1 + ((1 + 1)^{11-1})))) \\
&:= 22 \times (2 \times 222 + 22) \\
&:= 3 + (((33/3 + 3) \times ((3^{3+3} + 3)) + 3/3) \\
&:= 4 + (((4^4 \times (44 - 4)) + 4) + 4) \\
&:= ((55 + 5)/5) + ((5 + 5) \times ((5 - 5/5)^5)) \\
&:= 6 + (((6 - 6/6) \times (((6 + 6)/6)^{66/6})) + 6) \\
&:= (77/7) + (77 \times ((77 + 7 \times 7) + 7)) \\
&:= ((88 + 8)/8) + (8 \times ((8 + 8) \times (88 - 8))) \\
&:= 9 + (((9 \times (9 + 9 + 9)) + 9999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10253 &:= 1 + (1 + (1 + ((11 - 1) \times (1 + ((1 + 1)^{11-1})))))) \\
&:= 2/2 + (22 \times (2 \times 222 + 22)) \\
&:= 3 + (((3 - 3/3) + 3)^3) \times ((3 \times 3^3) + 3/3) \\
&:= 4 + (((4^4 \times (44 - 4)) + 4/4) + 4) + 4 \\
&:= ((55 + 5 + 5)/5) + ((5 + 5) \times ((5 - 5/5)^5)) \\
&:= (6 \times ((6 \times (6 \times 66)) - 666)) - (6/6 + 6) \\
&:= ((77 - 7/7) \times (((7 + 7)/7)^7) + 7) - 7 \\
&:= ((88 + 8 + 8)/8) + (8 \times ((8 + 8) \times (88 - 8))) \\
&:= (99/9) + ((9 \times (9 + 9 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10254 &:= 1 + (1 + (1 + (1 + ((11 - 1) \times (1 + ((1 + 1)^{11-1})))))) \\
&:= 2 + (22 \times (2 \times 222 + 22)) \\
&:= 3 + (((33/3 + 3) \times ((3^{3+3} + 3)) + 3) \\
&:= 4 + ((4^4 \times (44 - 4)) + ((44 - 4)/4)) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5) - 5/5) + 5) + 5 \\
&:= (6 \times ((6 \times (6 \times 66)) - 666)) - 6 \\
&:= 7 + (((77 \times ((77 + 7 \times 7) + 7)) - 7/7) + 7) \\
&:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) - ((8 + 8)/8)) + 8) \\
&:= (9 \times (9 + 9)) + ((999999/99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10255 &:= (1 + 1 + 1 + 1 + 1) \times (1 + (1 + (1 + ((1 + 1)^{11})))) \\
&:= 2 + ((22 \times (2 \times 222 + 22)) + 2/2) \\
&:= ((3 - 3/3) + 3) \times (((3 - 3/3)^{33/3} + 3) \\
&:= 4 + ((4^4 \times (44 - 4)) + 44/4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5) + 5) + 5) \\
&:= 6/6 + ((6 \times ((6 \times (6 \times 66)) - 666)) - 6) \\
&:= 7 + ((77 \times ((77 + 7 \times 7) + 7)) + 7) \\
&:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) - 8/8) + 8) \\
&:= 9999 + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10256 &:= 11 + ((1 + ((1 + 1)^{11})) \times (1 + 1 + 1 + 1 + 1)) \\
&:= 2 + ((22 \times (2 \times 222 + 22)) + 2) \\
&:= (33 \times 333) - (((3^{3+3} + 3)/3) + 3) \\
&:= 4 \times 4 + (4^4 \times (44 - 4)) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) + (55/5)) \\
&:= ((6 + 6)/6) + ((6 \times ((6 \times (6 \times 66)) - 666)) - 6) \\
&:= 7 + (((77 \times ((77 + 7 \times 7) + 7)) + 7/7) + 7) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8))) + 8) \\
&:= 9 + (((9 \times (9 \times 99)) + 9)/(9 + 9)) + (99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10257 &:= (((1 + 11)^{1+1+1+1})/(1 + 1)) - 111 \\
&:= (2 \times ((2 \times ((2 + 2 + 2)^2)^2)) - (222/2) \\
&:= (33 \times 333) - ((3^{3+3} + 3) \\
&:= 4 \times 4 + ((4^4 \times (44 - 4)) + 4/4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) + ((55 + 5)/5)) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - (666/6) \\
&:= 7 + ((7/7 + (7 \times 7)) \times (((7 + 7)/7)^7) + 77) \\
&:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) + 8/8) + 8) \\
&:= 9 + (((99/9 + 9) \times (((9 + 9)/9)^9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10258 &:= ((11 - 1) \times (1 + (1 + ((1 + 1)^{11-1})))) - (1 + 1) \\
&:= (2 \times 22 + 2) \times (222 + 2/2) \\
&:= 3/3 + ((33 \times 333) - ((3^{3+3} + 3)) \\
&:= 4 \times 4 + ((4^4 \times (44 - 4)) + ((4 + 4)/4)) \\
&:= 5^5 + (((5 + 5)/5) + 5) \times (((5 - 5/5)^5) - 5) \\
&:= (6 \times ((6 \times (6 \times 66)) - 666)) - ((6 + 6)/6) \\
&:= 7 + (((7 - 7/7) + 7) \times ((77/7) + 777)) + 7) \\
&:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) + ((8 + 8)/8)) + 8) \\
&:= 9 + (((99/9 + 9) \times (((9 + 9)/9)^9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10259 &:= ((11 - 1) \times (1 + (1 + ((1 + 1)^{11-1})))) - 1 \\
&:= 2/2 + ((2 \times 22 + 2) \times (222 + 2/2)) \\
&:= (33 \times 333) - ((3^{3+3} + 3/3) \\
&:= 4 + (((4^4 \times (44 - 4)) + 44/4) + 4) \\
&:= 5 \times 5 + (((5 + 5) \times ((5 - 5/5)^5) - (5/5 + 5)) \\
&:= (6 \times ((6 \times (6 \times 66)) - 666)) - 6/6 \\
&:= 7 + ((77 \times ((77 + 7 \times 7) + 7)) + (77/7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8))) + (88/8)) \\
&:= 99 + ((9999 - 9/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10260 &:= (11 - 1) \times (1 + (1 + ((1 + 1)^{11-1}))) \\
&:= 2 + ((2 \times 22 + 2) \times (222 + 2/2)) \\
&:= (3^3 + 3) \times (333 + 3 \times 3) \\
&:= 4 + (((44 - 4)/4)^4) + 4^4 \\
&:= 5 \times 5 + (((5 + 5) \times ((5 - 5/5)^5) - 5) \\
&:= 6 \times ((6 \times (6 \times 66)) - 666) \\
&:= (77 - 7/7) \times (((7 + 7)/7)^7) + 7) \\
&:= (((88 + 8)/8) + 8) \times ((8 \times 8 \times 8) + 8/8) \\
&:= 99 + (9999 + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10261 &:= 1 + ((11 - 1) \times (1 + (1 + ((1 + 1)^{11-1})))) \\
 &:= 2 + (((2 \times 22 + 2) \times (222 + 2/2)) + 2/2) \\
 &:= 3/3 + ((3^3 + 3) \times (333 + 3 \times 3)) \\
 &:= 4 + (((4^4 \times (44 - 4)) + 4/4) + 4 \times 4) \\
 &:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) + (55/5)) + 5) \\
 &:= 6/6 + (6 \times ((6 \times (6 \times 66)) - 666)) \\
 &:= 7/7 + ((77 - 7/7) \times (((7 + 7)/7)^7) + 7) \\
 &:= 8 + ((8 \times ((8 + 8) \times (88 - 8))) + ((88 + 8 + 8)/8)) \\
 &:= 9/9 + ((9999 + (9 \times (9 + 9))) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10262 &:= (111^{1+1}) - (11 + ((1 + 1)^{11})) \\
 &:= 22 + (2 \times ((22 - 2) \times (2^{2 \times (2+2)}))) \\
 &:= (33/3 + 3) \times (((3^3+3) + 3/3) + 3) \\
 &:= (4^4 \times (44 - 4)) + (44/(4 + 4)/4) \\
 &:= ((5 + 5)/5) \times ((5 \times ((5 - 5/5)^5)) + (55/5)) \\
 &:= ((6 + 6)/6) + (6 \times ((6 \times (6 \times 66)) - 666)) \\
 &:= 7 + (((77 \times ((77 + 7 \times 7) + 7)) + 7) + 7) \\
 &:= ((8 + 8)/8) \times ((8 \times (8 \times (88 - 8))) + (88/8)) \\
 &:= (9 - ((9 + 9)/9)) \times (((9 \times (9 \times (9 + 9))) - 9/9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10263 &:= 1 + ((111^{1+1}) - (11 + ((1 + 1)^{11})) \\
 &:= (22/2) + (22 \times (2 \times 222 + 22)) \\
 &:= 3 + ((3^3 + 3) \times (333 + 3 \times 3)) \\
 &:= 4 + (((4^4 \times (44 - 4)) + 44/4) + 4) + 4) \\
 &:= 5 \times 5 + (((5 + 5) \times ((5 - 5/5)^5)) - ((5 + 5)/5)) \\
 &:= (666/6) + (6 \times (6 \times (6 \times 6 \times 6 + 66))) \\
 &:= 7 + (((77 \times ((77 + 7 \times 7) + 7)) + 7/7) + 7) + 7) \\
 &:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) - 8/8) + 8) + 8) \\
 &:= (9 \times (9 + 9)) + (999999/99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10264 &:= 1 + (1 + ((111^{1+1}) - (11 + ((1 + 1)^{11})))) \\
 &:= 2 + ((2 \times ((22 - 2) \times (2^{2 \times (2+2)}))) + 22) \\
 &:= 3 + (((3^3 + 3) \times (333 + 3 \times 3)) + 3/3) \\
 &:= 4 + (((((44 - 4)/4)^4) + 4^4) + 4) \\
 &:= 5 \times 5 + (((5 + 5) \times ((5 - 5/5)^5)) - 5/5) \\
 &:= ((6 - 6/6) \times (((6 + 6)/6)^{66/6} + 6)) - 6 \\
 &:= (77777/7) - (77 \times (77/7)) \\
 &:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) + 8) + 8) \\
 &:= 9 + (((9 + 9)/9)^{9-9/9} + 9999)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10265 &:= 1 + (1 + (1 + ((111^{1+1}) - (11 + ((1 + 1)^{11})))) \\
 &:= (2^{2+2+2}) + ((2222/22)^2) \\
 &:= 3 + ((33/3 + 3) \times (((3^3+3) + 3/3) + 3)) \\
 &:= (4/4 + 4) \times (((4^4 \times (4 + 4)) + 4/4) + 4) \\
 &:= 5 \times (((5 + 5)/5)^{55/5} + 5) \\
 &:= 6 + ((6 \times ((6 \times (6 \times 66)) - 666)) - 6/6) \\
 &:= (((7 + 7 + 7)/7)^7) + ((77 \times (7 \times (7 + 7) + 7)) - 7) \\
 &:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) + 8/8) + 8) + 8) \\
 &:= (9 \times ((999 + 9) + 9)) + ((9999 + 9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10266 &:= 11 + ((1 + 1 + 1 + 1 + 1) \times (1 + (1 + (1 + ((1 + 1)^{11})))) \\
 &:= 22 + (2 \times (((22 - 2) \times (2^{2 \times (2+2)})) + 2)) \\
 &:= 3 + (((3^3 + 3) \times (333 + 3 \times 3)) + 3) \\
 &:= 4 + ((4^4 \times (44 - 4)) + (44/((4 + 4)/4))) \\
 &:= 5 \times 5 + (((5 + 5) \times ((5 - 5/5)^5)) + 5/5) \\
 &:= 6 + (6 \times ((6 \times (6 \times 66)) - 666)) \\
 &:= ((777/7) + 7) \times (((77 - 7)/7) + 77) \\
 &:= (8/8 - 88) \times (((8 - 888)/8) - 8) \\
 &:= (99 - ((99 + 9)/9)) \times (((9/9 + 99) + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10267 &:= 11 + (11 + ((1 + ((1 + 1)^{11})) \times (1 + 1 + 1 + 1 + 1))) \\
 &:= 2 + (((2222/22)^2) + (2^{2+2+2})) \\
 &:= ((33/3)^{3/3+3}) - ((3 + 3) \times (3^3+3)) \\
 &:= 4 \times 4 + ((4^4 \times (44 - 4)) + 44/4) \\
 &:= 5 \times 5 + (((5 + 5) \times ((5 - 5/5)^5)) + ((5 + 5)/5)) \\
 &:= 6 + ((6 \times ((6 \times (6 \times 66)) - 666)) + 6/6) \\
 &:= 7 + ((77 - 7/7) \times (((7 + 7)/7)^7) + 7) \\
 &:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) + (88/8)) + 8) \\
 &:= 9 + (((99/9 + 9) \times ((9 + 9)/9)^9) + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10268 &:= ((11 - 1) \times (1 + (1 + (1 + ((1 + 1)^{11-1})))) - (1 + 1) \\
 &:= 2 \times (((22 + 2) \times (222 - (2 \times (2 + 2)))) - 2) \\
 &:= ((3 + 3) \times ((3 \times 3 + 3)^3)) - ((3 \times 33) + 3/3) \\
 &:= 44 + ((4^4 \times (44 - 4)) - 4 \times 4) \\
 &:= ((55 + 5)/5 + 5) \times (((55 \times 55) - 5)/5) \\
 &:= 6 + ((6 \times ((6 \times (6 \times 66)) - 666)) + ((6 + 6)/6)) \\
 &:= 77 + (((7 + 7) \times (777 - (7 \times 7))) - 7/7) \\
 &:= 8 + (((88 + 8)/8) + 8) \times ((8 \times 8 \times 8) + 8/8) \\
 &:= ((9 - ((9 + 9)/9)) \times ((9 \times (9 \times (9 + 9))) + 9)) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10269 &:= ((11 - 1) \times (1 + (1 + (1 + ((1 + 1)^{11-1})))) - 1 \\
 &:= (22 - 2/2) \times (((22^2 + 2/2) + 2) + 2) \\
 &:= 3 \times (3333 + (3 \times (3^3 + 3))) \\
 &:= ((44 - 4) \times (4/4 + 4^4)) - (44/4) \\
 &:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) - 5/5) + 5 \times 5) \\
 &:= 6 + ((6 \times (6 \times (6 \times 6 \times 6 + 66))) + 666/6) \\
 &:= 77 + ((7 + 7) \times (777 - (7 \times 7))) \\
 &:= (8 \times 8 \times 8) + ((88/8) \times (888 - 8/8)) \\
 &:= (9 - ((9 + 9)/9)) \times ((9 \times (9 \times (9 + 9))) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10270 &:= (11 - 1) \times (1 + (1 + (1 + ((1 + 1)^{11-1})))) \\
 &:= 22 + ((2 \times 22 - 2) \times ((22^2/2) + 2)) \\
 &:= 3/3 + (3 \times (3333 + (3 \times (3^3 + 3)))) \\
 &:= ((44 - 4)/4) \times (((4 \times 4^4) - 4/4) + 4) \\
 &:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) + 5 \times 5) \\
 &:= (6 - 6/6) \times (((6 + 6)/6)^{66/6} + 6) \\
 &:= 7/7 + (((7 + 7) \times (777 - (7 \times 7))) + 77) \\
 &:= (88 - (8/8 + 8)) \times (8 \times (8 + 8) + ((8 + 8)/8)) \\
 &:= 9/9 + ((9 - ((9 + 9)/9)) \times ((9 \times (9 \times (9 + 9))) + 9))
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10271 &:= (111^{1+1}) - (1 + (1 + ((1 + 1)^{11}))) \\
&:= ((222/2)^2) - (2^{22/2}) + 2 \\
&:= (33/3) + ((3^3 + 3) \times (333 + 3 \times 3)) \\
&:= (4 \times (4 + 4)) + ((4^4 \times (44 - 4)) - 4/4) \\
&:= 5^5 + (((5/5 + 5)^5) - ((5^5/5) + 5)) \\
&:= (66/6) + (6 \times ((6 \times (6 \times 66)) - 666)) \\
&:= 7 + (((7777/7) - (77 \times (77/7)))) \\
&:= ((8 + 8) \times ((8 \times (88 - 8)) + ((8 + 8)/8))) - 8/8 \\
&:= ((99/9) \times (999 + 9/9)) - (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10272 &:= (111^{1+1}) - (1 + ((1 + 1)^{11})) \\
&:= 2 \times ((22 + 2) \times (222 - (2 \times (2 + 2)))) \\
&:= 3 + (3 \times (3333 + (3 \times (3^3 + 3)))) \\
&:= (4 + 4) \times (((4 \times 4^4) + 4^4) + 4) \\
&:= (((5 + 5)/5)^5) + ((5 + 5) \times ((5 - 5/5)^5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 666)) + 6) \\
&:= (((7 + 7 + 7)/7)^7) + (77 \times (7 \times (7 + 7) + 7)) \\
&:= (8 + 8) \times ((8 \times (88 - 8)) + ((8 + 8)/8)) \\
&:= (9 \times (9 + 9)) + ((999/9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10273 &:= (111^{1+1}) - ((1 + 1)^{11}) \\
&:= ((222/2)^2) - (2^{22/2}) \\
&:= 3 + ((3 \times (3333 + (3 \times (3^3 + 3)))) + 3/3) \\
&:= 44 + ((4^4 \times (44 - 4)) - 44/4) \\
&:= 5^5 + ((55 \times (5 \times 5 \times 5 + 5)) - ((5 + 5)/5)) \\
&:= 6 + (((6 \times ((6 \times (6 \times 66)) - 666)) + 6/6) + 6) \\
&:= 7 + (((777/7) + 7) \times (((77 - 7)/7) + 77)) \\
&:= 8/8 + ((8 + 8) \times ((8 \times (88 - 8)) + ((8 + 8)/8))) \\
&:= 9 \times 9 + (((((9 + 9)/9) + 99)^{(9+9)/9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10274 &:= 1 + ((111^{1+1}) - ((1 + 1)^{11})) \\
&:= 22 + (22 \times (2 \times 222 + 22)) \\
&:= 3 + (((3^3 + 3) \times (333 + 3 \times 3)) + (33/3)) \\
&:= 4 + (((44 - 4)/4) \times (((4 \times 4^4) - 4/4) + 4)) \\
&:= 5^5 + ((55 \times (5 \times 5 \times 5 + 5)) - 5/5) \\
&:= (66/6) \times (((6 + 6) \times ((66 + 6) + 6)) - ((6 + 6)/6)) \\
&:= 7 + (((77 - 7/7) \times (((7 + 7)/7)^7) + 7) + 7) \\
&:= 8 + ((8/8 - 88) \times (((8 - 888)/8) - 8)) \\
&:= (9 \times (9 + 9)) + (99999/9 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10275 &:= 1 + (1 + ((111^{1+1}) - ((1 + 1)^{11}))) \\
&:= 2 + (((222/2)^2) - (2^{22/2})) \\
&:= 3^3 + ((33/3 + 3) \times ((3^3+3) + 3)) \\
&:= ((44 - 4) \times (4/4 + 4^4)) - (4/4 + 4) \\
&:= 5^5 + (55 \times (5 \times 5 \times 5 + 5)) \\
&:= (6 - 6/6) \times (((((6 + 6)/6)^{66/6}) + 6/6) + 6) \\
&:= (((7/7 + 7) + 7) \times ((7 \times (7 \times (7 + 7))) - 7/7)) \\
&:= ((8 - 8/8) + 8) \times ((8 \times 88) - ((88/8) + 8)) \\
&:= (9 \times ((9 \times ((99 + 9 + 9) + 9) + 9)) - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10276 &:= 1 + (1 + (1 + ((111^{1+1}) - ((1 + 1)^{11})))) \\
&:= 2 + ((22 \times (2 \times 222 + 22)) + 22) \\
&:= (33/3 + 3) \times (((3^3+3) - 3/3) + 3) + 3 \\
&:= ((44 - 4) \times (4/4 + 4^4)) - 4 \\
&:= 5^5 + (((5/5 + 5)^5) - (5^5/5)) \\
&:= 6 + ((6 - 6/6) \times (((6 + 6)/6)^{66/6}) + 6) \\
&:= (7 + 7) \times ((7 \times (7 \times (7 + 7) + 7)) - 7/7) \\
&:= 8 + (((88 + 8)/8) + 8) \times ((8 \times 8 \times 8) + 8/8) + 8 \\
&:= (9 - ((9 + 9)/9)) \times (((9 \times (9 \times (9 + 9))) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10277 &:= 1 + (1 + (1 + (1 + ((111^{1+1}) - ((1 + 1)^{11})))))) \\
&:= 2 + (((222/2)^2) - (2^{22/2})) + 2 \\
&:= 3^3 + (((3 - 3/3) + 3)^3) \times ((3 \times 3^3) + 3/3) \\
&:= 4/4 + (((44 - 4) \times (4/4 + 4^4)) - 4) \\
&:= 5^5 + (((5 - 5^5)/5) + ((5/5 + 5)^5)) \\
&:= ((6/6 + 6 + 6) \times ((66 \times (6 + 6)) - 6/6)) - 6 \\
&:= 7/7 + ((7 + 7) \times ((7 \times (7 \times (7 + 7) + 7)) - 7/7)) \\
&:= 8 + (((88/8) \times (888 - 8/8)) + (8 \times 8 \times 8)) \\
&:= (9 \times ((9 \times ((99 + 9 + 9) + 9) + 9)) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10278 &:= 1 + (1 + (1 + (1 + (1 + ((111^{1+1}) - ((1 + 1)^{11})))))) \\
&:= ((22 - 2) \times ((2^{(2/2+2)^2}) + 2)) - 2 \\
&:= 3 \times ((3333 + (3 \times (3^3 + 3))) + 3) \\
&:= ((44 - 4) \times (4/4 + 4^4)) - ((4 + 4)/4) \\
&:= 5^5 + (((5 - 5^5) + 5)/5) + ((5/5 + 5)^5) \\
&:= 6 + (((6 \times ((6 \times (6 \times 66)) - 666)) + 6) + 6) \\
&:= 77 + (((7777/77)^{(7+7)/7}) \\
&:= 8 + ((88 - (8/8 + 8)) \times (8 \times (8 + 8) + ((8 + 8)/8))) \\
&:= (9 \times ((9 \times ((99 + 9 + 9) + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10279 &:= ((11 - 1) \times (1 + (1 + (1 + (1 + ((1 + 1)^{11-1})))))) - 1 \\
&:= ((22 - 2) \times ((2^{(2/2+2)^2}) + 2)) - 2/2 \\
&:= ((3^3 + 3) \times ((3/3 + 3 + 3)^3)) - (33/3) \\
&:= ((44 - 4) \times (4/4 + 4^4)) - 4/4 \\
&:= ((5 + 5) \times ((5 - 5/5)^5 + 5)) - (55/5) \\
&:= ((66/6)^{6-(6+6)/6}) - ((66 \times 66) + 6) \\
&:= (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - (77/7) \\
&:= (8 \times 8 \times 8) + ((88 \times (888/8)) - 8/8) \\
&:= 9/9 + ((9 \times ((9 \times ((99 + 9 + 9) + 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10280 &:= (11 - 1) \times (1 + (1 + (1 + (1 + ((1 + 1)^{11-1})))))) \\
&:= (22 - 2) \times ((2^{(2/2+2)^2}) + 2) \\
&:= 33 + (((33/3 + 3) \times ((3^3+3) + 3)) - 3/3) \\
&:= (44 - 4) \times (4/4 + 4^4) \\
&:= (5 - 5/5) \times (5^5 - 555) \\
&:= ((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) - (66/6)) \\
&:= (((7 - 77)/7) + (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7)))) \\
&:= (8 \times 8 \times 8) + (88 \times (888/8)) \\
&:= (9 - 9/9) \times (((9 + 9) \times ((9 \times 9) - 9)) - (99/9))
\end{aligned}$$

► **10281** := $1 + ((11 - 1) \times (1 + (1 + (1 + (1 + ((1 + 1)^{11-1}))))))$
 := $2/2 + ((22 - 2) \times ((2^{(2/2+2)^2}) + 2))$
 := $33 + ((33/3 + 3) \times ((3^3+3) + 3))$
 := $4/4 + ((44 - 4) \times (4/4 + 4^4))$
 := $5 + (((5/5 + 5)^5) - (5^5/5) + 5^5)$
 := $(6 \times (6 \times 6 - 6)) + 666666/66$
 := $(7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - ((7 + 7)/7 + 7)$
 := $8/8 + ((88 \times (888/8)) + (8 \times 8 \times 8))$
 := $9 \times 9 + ((9/9 + 99) \times ((999/9) - 9))$

► **10286** := $(111 \times (1 + 1111))/(1 + 11)$
 := $2 + (2 \times (((22 - 2) \times (2^{2 \times (2+2)})) + 22))$
 := $((3 + 3) \times ((3 \times 3 + 3)^3)) - ((3 \times 3^3) + 3/3)$
 := $44 + ((4^4 \times (44 - 4)) + ((4 + 4)/4))$
 := $5/5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) - 5)$
 := $6 + (((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) - (66/6)))$
 := $7 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - (77/7))$
 := $((8 - 88)/8) + (8888 + (88 \times (8 + 8)))$
 := $(9 \times ((9 \times ((99 + 9 + 9) + 9)) + 9)) - 9/9$

► **10282** := $11 + ((111^{1+1}) - (1 + (1 + ((1 + 1)^{11}))))$
 := $2 + ((22 - 2) \times ((2^{(2/2+2)^2}) + 2))$
 := $((33 - 33/3)^3) - (333 + 33)$
 := $44 + ((4^4 \times (44 - 4)) - ((4 + 4)/4))$
 := $5 + (((5 - 5^5)/5) + ((5/5 + 5)^5) + 5^5)$
 := $6 + (((6 - 6/6) \times (((6 + 6)/6)^{66/6} + 6)) + 6)$
 := $(7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - (7/7 + 7)$
 := $8 + (((8/8 - 88) \times (((8 - 888)/8) - 8)) + 8)$
 := $9 \times 9 + (((9 + 9)/9) + 99)^{(9+9)/9}$

► **10287** := $1 + ((111 \times (1 + 1111))/(1 + 11))$
 := $2 + (((((22/2)^2) - 22)^2) + 22^2)$
 := $3 \times ((3333 - 3) + (3 \times 33))$
 := $4 + (((4^4 \times (44 - 4)) - 4/4) + 44)$
 := $5^5 + (((55 - 5^5)/5) + ((5/5 + 5)^5))$
 := $((6 \times 6 + 66)^{(6+6)/6}) - ((666/6) + 6)$
 := $((7 + 7 + 7)/7) \times ((7 \times (7 \times (77 - 7))) - 7/7)$
 := $((8 \times (8 + 8)) - 8/8) \times ((8/8 - 8) + 88)$
 := $9 \times ((9 \times ((99 + 9 + 9) + 9)) + 9)$

► **10283** := $11 + ((111^{1+1}) - (1 + ((1 + 1)^{11})))$
 := $22^2 + (((((22/2)^2) - 22)^2) - 2)$
 := $33 + (((3 - 3/3) + 3)^3) \times ((3 \times 3^3) + 3/3)$
 := $44 + ((4^4 \times (44 - 4)) - 4/4)$
 := $((5 + 5) \times ((5 - 5/5)^5 + 5)) - (((5 + 5)/5) + 5)$
 := $(6/6 + 6 + 6) \times ((66 \times (6 + 6)) - 6/6)$
 := $(7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - 7$
 := $8 + (((8 - 8/8) + 8) \times ((8 \times 88) - ((88/8) + 8)))$
 := $(9 - ((9 + 9)/9)) \times ((9 \times (9 \times (9 + 9))) + (99/9))$

► **10288** := $1 + (1 + ((111 \times (1 + 1111))/(1 + 11)))$
 := $2 \times (((((22 - 2) \times (2^{2 \times (2+2)})) + 22) + 2))$
 := $3/3 + (3 \times ((3333 - 3) + (3 \times 33)))$
 := $4 + ((4^4 \times (44 - 4)) + 44)$
 := $((5 + 5) \times ((5 - 5/5)^5 + 5)) - ((5 + 5)/5)$
 := $((6 + 6)/6 + 6) \times (((6 - 66)/6) + (6 \times 6 \times 6 \times 6))$
 := $(7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - ((7 + 7)/7)$
 := $8888 + ((88 \times (8 + 8)) - 8)$
 := $9/9 + (9 \times ((9 \times ((99 + 9 + 9) + 9)) + 9))$

► **10284** := $11 + ((111^{1+1}) - ((1 + 1)^{11}))$
 := $2 \times (((22 - 2) \times (2^{2 \times (2+2)})) + 22)$
 := $(3 + 3) \times (((3 \times 3 + 3)^3) - (33/3 + 3))$
 := $44 + (4^4 \times (44 - 4))$
 := $(5 - 5/5) \times ((5^5 - 555) + 5/5)$
 := $(6 + 6) \times (((66 \times (6 + 6)) - 6/6) + 66)$
 := $7/7 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - 7)$
 := $(88/(8 + 8)/8) + (8 \times ((8 + 8) \times (88 - 8)))$
 := $9 \times 9 + (((999/9) \times ((99/9) + (9 \times 9))) - 9)$

► **10289** := $((11 - 1) \times ((11 + (((1 + 1)^{11}) - 1))/(1 + 1))) - 1$
 := $(2 \times 2 \times 22) + ((2222/22)^2)$
 := $((3^3 + 3) \times ((3/3 + 3 + 3)^3)) - 3/3$
 := $((44/4)^4) - (((4 + 4)^4) + 4^4)$
 := $((5 + 5) \times ((5 - 5/5)^5 + 5)) - 5/5$
 := $6 + ((6/6 + 6 + 6) \times ((66 \times (6 + 6)) - 6/6))$
 := $(7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - 7/7$
 := $8/8 + ((8888 - 8) + (88 \times (8 + 8)))$
 := $((9 + 9)/9) + (9 \times ((9 \times ((99 + 9 + 9) + 9)) + 9))$

► **10285** := $1 + (11 + ((111^{1+1}) - ((1 + 1)^{11})))$
 := $22^2 + (((((22/2)^2) - 22)^2)$
 := $(33/3) \times ((3 \times 333) - ((3/3 + 3)^3))$
 := $44 + ((4^4 \times (44 - 4)) + 4/4)$
 := $((5 + 5) \times ((5 - 5/5)^5 + 5)) - 5$
 := $(66/6) \times (((6 + 6) \times ((66 + 6) + 6)) - 6/6)$
 := $((7/7 + 77) + 7) \times (((7 + 7)/7)^7) - 7$
 := $(88/8) \times ((8 \times (8 \times (8 + 8))) - (8/8 + 88))$
 := $(9 \times ((9 \times ((99 + 9 + 9) + 9)) + 9)) - ((9 + 9)/9)$

► **10290** := $(11 - 1) \times ((11 + (((1 + 1)^{11}) - 1))/(1 + 1))$
 := $(2 \times 22 - 2) \times (((22^2 + 2)/2) + 2)$
 := $(3^3 + 3) \times ((3/3 + 3 + 3)^3)$
 := $((44 - 4)/4) \times (((4 \times 4^4) + 4/4) + 4)$
 := $(5 + 5) \times ((5 - 5/5)^5 + 5)$
 := $(66 \times (((6 + 6) \times (6 + 6)) + 6) + 6) - 6$
 := $7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))$
 := $((8 + 8)/8) + ((8888 - 8) + (88 \times (8 + 8)))$
 := $(9/9 + 9) \times (((9999 - 9)/9) - (9 \times 9))$

$$\begin{aligned}
\blacktriangleright 10291 &:= 1 + ((11 - 1) \times ((11 + (((1 + 1)^{11}) - 1)) / (1 + 1))) \\
&:= 2 + (((2222/22)^2) + (2 \times 2 \times 22)) \\
&:= 3/3 + ((3^3 + 3) \times ((3/3 + 3 + 3)^3)) \\
&:= (44/4) + ((44 - 4) \times (4/4 + 4^4)) \\
&:= 5/5 + ((5 + 5) \times ((5 - 5/5)^5 + 5)) \\
&:= 6/6 + ((66 \times (((6 + 6) \times (6 + 6)) + 6) + 6)) - 6 \\
&:= 7/7 + (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) \\
&:= (8 \times 8 \times 8) + ((88/8) \times (888 + 8/8)) \\
&:= 9 + (((((9 + 9)/9) + 99)^{(9+9)/9}) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10292 &:= ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) - (1 + 111) \\
&:= 2 \times ((22 \times ((2^{2 \times (2+2)} - 22)) - 2)) - 2 \\
&:= ((3^3 + 3/3) + 3) \times (333 - 3/3) \\
&:= 4 + (((4^4 \times (44 - 4)) + 44) + 4) \\
&:= ((5 + 5)/5) + ((5 + 5) \times ((5 - 5/5)^5 + 5)) \\
&:= ((6 + 6)/6) + ((66 \times (((6 + 6) \times (6 + 6)) + 6) + 6)) - 6 \\
&:= ((7 + 7)/7) + (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) \\
&:= (8 \times (((8 + 8) \times (88 - 8)) + 8)) - ((88 + 8)/8) \\
&:= (9 \times (9 - 99)) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10293 &:= ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) - 111 \\
&:= (((((2 \times (2 + 2) + 2)^2) + 2)^2) - (222/2)) \\
&:= 3 + ((3^3 + 3) \times ((3/3 + 3 + 3)^3)) \\
&:= 4 + (((44/4)^4) - (((4 + 4)^4) + 4^4)) \\
&:= 5^5 + (((((5 + 5)/5) + 5) \times ((5 - 5/5)^5)) \\
&:= ((6 \times 6 + 66)^{(6+6)/6}) - (666/6) \\
&:= ((7 + 7 + 7)/7) + (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) \\
&:= (8 \times (((8 + 8) \times (88 - 8)) + 8)) - (88/8) \\
&:= 9 \times 9 + ((999/9) \times ((99/9) + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10294 &:= (11 \times (11 + 1111)) - ((1 + 1)^{11}) \\
&:= (22 \times (22^2 - (2^{2+2}))) - 2 \\
&:= 3 + (((3^3 + 3) \times ((3/3 + 3 + 3)^3)) + 3/3) \\
&:= 4 + (((44 - 4)/4) \times (((4 \times 4^4) + 4/4) + 4)) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) - 5/5) \\
&:= ((6 + 6)/6) \times ((66 \times ((66 + 6) + 6)) - 6/6) \\
&:= (77/7) + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - 7) \\
&:= ((8 - 88)/8) + (8 \times (((8 + 8) \times (88 - 8)) + 8)) \\
&:= 9 + ((9 \times ((9 \times ((99 + 9 + 9) + 9)) + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10295 &:= (1 + 1 + 1 + 1 + 1) \times (11 + ((1 + 1)^{11})) \\
&:= (22 \times (22^2 - (2^{2+2}))) - 2/2 \\
&:= (3 \times (3333 + 3 \times 33)) - 3/3 \\
&:= 44 + ((4^4 \times (44 - 4)) + 44/4) \\
&:= 5 + ((5 + 5) \times ((5 - 5/5)^5 + 5)) \\
&:= (66 \times (((6 + 6) \times (6 + 6)) + 6) + 6) - 6/6 \\
&:= 7 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - ((7 + 7)/7)) \\
&:= 8888 + ((88 \times (8 + 8)) - 8/8) \\
&:= (99 \times 99) + (((9 + 9)/9)^9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10296 &:= 11 \times (((1 + 1)^{11}) - (1 + 1111)) \\
&:= 22 \times (22^2 - (2^{2+2})) \\
&:= 3 \times (3333 + 3 \times 33) \\
&:= 4 \times 4 + ((44 - 4) \times (4/4 + 4^4)) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) + 5/5) \\
&:= 66 \times (((6 + 6) \times (6 + 6)) + 6) + 6 \\
&:= 7 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - 7/7) \\
&:= 88 \times ((8 \times (8 + 8)) - 88/8) \\
&:= 9 + (9 \times ((9 \times ((99 + 9 + 9) + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10297 &:= 1 + (11 \times (((1 + 1)^{11}) - (1 + 1111))) \\
&:= 2/2 + (22 \times (22^2 - (2^{2+2}))) \\
&:= 3/3 + (3 \times (3333 + 3 \times 33)) \\
&:= 4 + (((44/4)^4) - (((4 + 4)^4) + 4^4)) + 4 \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) + ((5 + 5)/5)) \\
&:= 6/6 + (66 \times (((6 + 6) \times (6 + 6)) + 6) + 6) \\
&:= 7 + (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) \\
&:= 8/8 + (8888 + (88 \times (8 + 8))) \\
&:= 9 + ((9 \times ((9 \times ((99 + 9 + 9) + 9)) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10298 &:= 1 + (1 + (11 \times (((1 + 1)^{11}) - (1 + 1111)))) \\
&:= 2 + (22 \times (22^2 - (2^{2+2}))) \\
&:= 3 + ((3 \times (3333 + 3 \times 33)) - 3/3) \\
&:= ((4^4 - (4 + 4))/4) + ((4^4 \times (44 - 4)) - 4) \\
&:= 5 + (((((5 + 5)/5) + 5) \times ((5 - 5/5)^5)) + 5^5) \\
&:= ((6 + 6)/6) + (66 \times (((6 + 6) \times (6 + 6)) + 6) + 6) \\
&:= 7 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) + 7/7) \\
&:= ((8 + 8)/8) + (8888 + (88 \times (8 + 8))) \\
&:= (99/9) + (9 \times ((9 \times ((99 + 9 + 9) + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10299 &:= ((11 - 1) \times ((1 + (11 + ((1 + 1)^{11}))) / (1 + 1))) - 1 \\
&:= 2 + ((22 \times (22^2 - (2^{2+2}))) + 2/2) \\
&:= 3 + (3 \times (3333 + 3 \times 33)) \\
&:= ((4^4 - 4)/4) + ((4^4 \times (44 - 4)) - 4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) - 5/5) + 5 \\
&:= 6 + (((6 \times 6 + 66)^{(6+6)/6}) - (666/6)) \\
&:= 7 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) + (7 + 7)/7) \\
&:= 8 + (((88/8) \times (888 + 8/8)) + (8 \times 8 \times 8)) \\
&:= 99 + ((9/9 + 99) \times ((999/9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10300 &:= (11 - 1) \times ((1 + (11 + ((1 + 1)^{11}))) / (1 + 1)) \\
&:= 2 + ((22 \times (22^2 - (2^{2+2}))) + 2) \\
&:= 3 + ((3 \times (3333 + 3 \times 33)) + 3/3) \\
&:= 4 \times 4 + ((4^4 \times (44 - 4)) + 44) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) + 5) \\
&:= (6 - 6/6) \times (((6 + 6)/6)^{66/6} + 6) + 6 \\
&:= ((77 - 7)/7) + (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) \\
&:= ((888/8) - 8) \times (((88 + 8)/8) + 88) \\
&:= 99 + (((9 + 9)/9) + 99)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10301 &:= 1 + ((11 - 1) \times ((1 + (11 + ((1 + 1)^{11}))) / (1 + 1))) \\
&:= ((2 \times 22 + 2) \times (222 + 2)) - (2/2 + 2) \\
&:= (33/3) + ((3^3 + 3) \times ((3/3 + 3 + 3)^3)) \\
&:= ((4^4 + 4)/4) + ((4^4 \times (44 - 4)) - 4) \\
&:= (55/5) + ((5 + 5) \times ((5 - 5/5)^5 + 5)) \\
&:= 6 + ((66 \times (((6 + 6) \times (6 + 6)) + 6) + 6)) - 6/6) \\
&:= (77/7) + (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8)) + 8)) - 88/8) \\
&:= (9 \times (9 - 99)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10302 &:= (1 + 1) \times ((1 + 1 + 1) \times (((1 + 11)^{1+1+1}) - 11)) \\
&:= ((2 \times 22 + 2) \times (222 + 2)) - 2 \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) - 33/3) \\
&:= ((4^4 - (4 + 4))/4) + (4^4 \times (44 - 4)) \\
&:= ((55 + 5)/5) + ((5 + 5) \times ((5 - 5/5)^5 + 5)) \\
&:= 6 + (66 \times (((6 + 6) \times (6 + 6)) + 6) + 6) \\
&:= ((77 + 7)/7) + (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) \\
&:= (8 \times (((8 + 8) \times (88 - 8)) + 8)) - ((8 + 8)/8) \\
&:= (((9 + 9)/9) + 99) \times ((999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10303 &:= (((11^{1+1}) - 1)^{1+1}) - (1 + ((1 + 1)^{1+1+1})) \\
&:= ((2 \times 22 + 2) \times (222 + 2)) - 2/2 \\
&:= 3/3 + ((3 + 3) \times (((3 \times 3 + 3)^3) - 33/3)) \\
&:= ((4^4 - 4)/4) + (4^4 \times (44 - 4)) \\
&:= 5 + (((((5 + 5)/5) + 5) \times ((5 - 5/5)^5)) + 5^5 + 5) \\
&:= 6 + ((66 \times (((6 + 6) \times (6 + 6)) + 6) + 6)) + 6/6) \\
&:= 7 + (((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - 7/7) + 7) \\
&:= (8 \times (((8 + 8) \times (88 - 8)) + 8)) - 8/8 \\
&:= (99 \times 99) + (((9 + 9)/9)^9) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10304 &:= (1 + 111) \times (11 + ((11 - 1 - 1)^{1+1})) \\
&:= (2 \times 22 + 2) \times (222 + 2) \\
&:= (33 - 3/3) \times (333 - 33/3) \\
&:= 4 \times (4 \times ((4 \times (4 \times (44 - 4))) + 4)) \\
&:= (5 - 5/5) \times (((5^5 - 555) + 5/5) + 5) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - (((6 + 6)/6)^6) \\
&:= 7 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) + 7) \\
&:= 8 \times (((8 + 8) \times (88 - 8)) + 8) \\
&:= (99 \times 99) + (((9 + 9)/9)^9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10305 &:= (11 \times (((1 + 1)^{11}) - 1111)) - (1 + 1) \\
&:= 2/2 + ((2 \times 22 + 2) \times (222 + 2)) \\
&:= 3 \times ((3333 + 3 \times 33) + 3) \\
&:= ((4^4 + 4)/4) + (4^4 \times (44 - 4)) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) + 5) + 5) \\
&:= ((6 \times 6 / (6 + 6))^6) + ((6 + 6) \times ((66 \times (6 + 6)) + 6)) \\
&:= ((7/7 + 7) + 7) \times ((7 \times (7 \times (7 + 7))) + 7/7) \\
&:= 8/8 + (8 \times (((8 + 8) \times (88 - 8)) + 8)) \\
&:= 99 + (9 \times (9 \times ((99 + 9 + 9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10306 &:= (11 \times (((1 + 1)^{11}) - 1111)) - 1 \\
&:= 2 + ((2 \times 22 + 2) \times (222 + 2)) \\
&:= 3/3 + (3 \times ((3333 + 3 \times 33) + 3)) \\
&:= (4^4 \times (44 - 4)) + ((4^4 + 4 + 4)/4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) + (55/5)) \\
&:= 66 + ((6 - 6/6) \times (((6 + 6)/6)^{66/6})) \\
&:= 7 + (((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) + ((7 + 7)/7)) + 7) \\
&:= ((8 + 8)/8) + (8 \times (((8 + 8) \times (88 - 8)) + 8)) \\
&:= 9/9 + ((9 \times (9 \times ((99 + 9 + 9) + 9))) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10307 &:= 11 \times (((1 + 1)^{11}) - 1111) \\
&:= 2 + (((2 \times 22 + 2) \times (222 + 2)) + 2/2) \\
&:= 3 + ((33 - 3/3) \times (333 - 33/3)) \\
&:= 4 + ((4^4 \times (44 - 4)) + ((4^4 - 4)/4)) \\
&:= (55/5) \times (((5^5 - 5)/5) + (5 + 5)) + (5^5/5) \\
&:= (66/6) + (66 \times (((6 + 6) \times (6 + 6)) + 6) + 6) \\
&:= 7 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) + ((77 - 7)/7)) \\
&:= 88/8 + (8888 + (88 \times (8 + 8))) \\
&:= 9 + ((9 \times (9 \times ((99 + 9 + 9) + 9)) + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10308 &:= 1 + (11 \times (((1 + 1)^{11}) - 1111)) \\
&:= 2 + (((2 \times 22 + 2) \times (222 + 2)) + 2) \\
&:= 3 + (3 \times ((3333 + 3 \times 33) + 3)) \\
&:= 4 + ((4^4 \times (44 - 4)) + (4 \times (4 \times 4))) \\
&:= ((5 + 5)^{5-5/5}) + (((5^5 + 5)/5) + 5) - 5) \\
&:= 6 + ((66 \times (((6 + 6) \times (6 + 6)) + 6) + 6)) + 6) \\
&:= 7 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) + (77/7)) \\
&:= (8 \times 8 / (8 + 8)) + (8 \times (((8 + 8) \times (88 - 8)) + 8)) \\
&:= 9 + ((9/9 + 99) \times ((999/9) - 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10309 &:= 1 + (1 + (11 \times (((1 + 1)^{11}) - 1111))) \\
&:= 2 + (((2 \times 22 + 2) \times (222 + 2)) + 2/2) + 2) \\
&:= ((33 - 33/3)^3) - (333 + 3 + 3) \\
&:= 4 + ((4^4 \times (44 - 4)) + ((4^4 + 4)/4)) \\
&:= 5 + ((5 - 5/5) \times (((5^5 - 555) + 5/5) + 5)) \\
&:= (6/6 + 6 + 6) \times ((66 \times (6 + 6)) + 6/6) \\
&:= 7 \times 7 + ((77 - 7/7) \times (((7 + 7)/7)^7) + 7) \\
&:= ((88 - 8) \times (8 \times (8 + 8) + 8/8)) - (88/8) \\
&:= 9 + (((9 + 9)/9) + 99)^{(9+9)/9} + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10310 &:= 1 + (1 + (1 + (11 \times (((1 + 1)^{11}) - 1111)))) \\
&:= 2 + (((2 \times 22 + 2) \times (222 + 2)) + 2) + 2) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) - 3 \times 3)) - (3/3 + 3) \\
&:= 4 + ((4^4 \times (44 - 4)) + ((4^4 + 4 + 4)/4)) \\
&:= 5 \times 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) - 5) \\
&:= 6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - (((6 + 6)/6)^6)) \\
&:= ((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7/7)) - 7/7 \\
&:= 8 + ((8 \times (((8 + 8) \times (88 - 8)) + 8)) - ((8 + 8)/8)) \\
&:= 9 + ((99999/9) + (9 \times (9 - 99)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10311 &:= 111 + (((1 + ((11 - 1)^{1+1}))^{1+1}) - 1) \\
&:= (22222/2) - (2 \times ((22 - 2)^2)) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) - 3 \times 3)) - 3 \\
&:= 4 + (((4^4 \times (44 - 4)) + ((4^4 - 4)/4)) + 4) \\
&:= (5 - (5 + 5)/5) \times (((5^5 - 5)/(5 + 5)) + 5^5) \\
&:= 6 \times 6 \times 6 + ((666666/66) - 6) \\
&:= (7 + 7 + 7) \times ((7 \times (77 - 7)) + 7/7) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8)) + 8)) - 8/8 \\
&:= 9 + (((9 + 9)/9) + 99) \times ((999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10312 &:= 111 + ((1 + ((11 - 1)^{1+1}))^{1+1}) \\
&:= 2 \times (((22 + 2/2) \times (222 + 2)) + 2) + 2) \\
&:= ((33 - 33/3)^3) - (333 + 3) \\
&:= 4 + (((4^4 \times (44 - 4)) + (4 \times (4 \times 4))) + 4) \\
&:= ((5^5 - 5)/(5 + 5)) + ((5 + 5)^{5-5/5}) \\
&:= ((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) - (6/6 + 6)) \\
&:= 7 + (((7/7 + 7) + 7) \times ((7 \times (7 \times (7 + 7))) + 7/7)) \\
&:= 8 + (8 \times (((8 + 8) \times (88 - 8)) + 8)) \\
&:= (99 \times 99) + (((9 + 9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10313 &:= 1 + (111 + ((1 + ((11 - 1)^{1+1}))^{1+1})) \\
&:= 2 + ((22222/2) - (2 \times ((22 - 2)^2))) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) - 3 \times 3)) - 3/3 \\
&:= 4 + (((4^4 \times (44 - 4)) + ((4^4 + 4)/4)) + 4) \\
&:= ((5 + 5)^{5-5/5}) + ((5^5 + 5)/(5 + 5)) \\
&:= (66666/6) - ((66 \times (6 + 6)) + 6) \\
&:= ((7 + 7)/7) + ((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7/7)) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8)) + 8)) + 8/8 \\
&:= (99 \times 99) + (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10314 &:= 1 + (1 + (111 + ((1 + ((11 - 1)^{1+1}))^{1+1}))) \\
&:= (2/2 + 2)^2 \times ((2 \times (((22 + 2)^2) - 2)) - 2) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) - 3 \times 3) \\
&:= (4^4 \times (44 - 4)) + (((4^4 - 4) + 44)/4) \\
&:= 5 \times 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) - 5/5) \\
&:= (((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) - 6)) - 6 \\
&:= ((7 + 7 + 7)/7) \times (((7 \times (7 \times (77 - 7))) + 7/7) + 7) \\
&:= 8 + ((8 \times ((8 + 8) \times (88 - 8)) + 8)) + ((8 + 8)/8) \\
&:= ((9 + 9) \times (9 + 9)) + (9999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10315 &:= ((11 + 11)^{1+1+1}) - ((1 + 1 + 1) \times 111) \\
&:= (22/2) + ((2 \times 22 + 2) \times (222 + 2)) \\
&:= ((33 - 33/3)^3) - 333 \\
&:= (4^4 \times (44 - 4)) + (44 + 4^4)/4 \\
&:= 5 \times 5 + ((5 + 5) \times ((5 - 5/5)^5 + 5)) \\
&:= 6 + ((6/6 + 6 + 6) \times ((66 \times (6 + 6)) + 6/6)) \\
&:= 7 + (((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) + (77/7)) + 7) \\
&:= 88/8 + (8 \times (((8 + 8) \times (88 - 8)) + 8)) \\
&:= 9/9 + (((9 + 9) \times (9 + 9)) - 9) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10316 &:= (11 \times (1 + (((1 + 1)^{11}) - 1111))) - (1 + 1) \\
&:= 2 \times (((22 - 2) \times ((2^{2 \times (2+2)} + 2)) + 2)) - 2 \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) - 3 \times 3)) - 3/3) \\
&:= ((4 \times 4 + 4) \times ((4^4 + 4^4) + 4)) - 4 \\
&:= 5 \times 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) + 5/5) \\
&:= ((6/6 + 6 + 6) \times ((66 \times (6 + 6)) + ((6 + 6)/6))) - 6 \\
&:= 7 + (((77 - 7/7) \times (((7 + 7)/7)^7) + 7)) + (7 \times 7) \\
&:= ((88 + 8)/8) + (8 \times (((8 + 8) \times (88 - 8)) + 8)) \\
&:= 99 + ((9 \times (9 \times ((99 + 9 + 9) + 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10317 &:= (11 \times (1 + (((1 + 1)^{11}) - 1111))) - 1 \\
&:= 2 + (((2 \times 22 + 2) \times (222 + 2)) + (22/2)) \\
&:= 3 + ((3 + 3) \times (((3 \times 3 + 3)^3) - 3 \times 3)) \\
&:= ((4 - 4/4)^4) + ((4^4 \times (44 - 4)) - 4) \\
&:= 5 + (((5^5 - 5)/(5 + 5)) + ((5 + 5)^{5-5/5})) \\
&:= 6 \times 6 \times 6 + 666666/66 \\
&:= 77 + ((77 \times ((77 + 7 \times 7) + 7)) - 7/7) \\
&:= 88 + ((8 \times ((8 + 8) \times (88 - 8))) - 88/8) \\
&:= (999/9) + (9 \times (9 \times ((99 + 9 + 9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10318 &:= 11 \times (1 + (((1 + 1)^{11}) - 1111)) \\
&:= 22 + (22 \times (22^2 - (2^{2+2}))) \\
&:= 3 + (((33 - 33/3)^3) - 333) \\
&:= ((4 \times 4 + 4) \times ((4^4 + 4^4) + 4)) - ((4 + 4)/4) \\
&:= 5 + (((5 + 5)^{5-5/5}) + ((5^5 + 5)/(5 + 5))) \\
&:= 6 + (((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) - (6/6 + 6))) \\
&:= 77 + (77 \times ((77 + 7 \times 7) + 7)) \\
&:= ((88 - 8) \times (8 \times (8 + 8) + 8/8)) - ((8 + 8)/8) \\
&:= 9 + (((((9 + 9)/9) + 99)^{(9+9)/9}) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10319 &:= 1 + (11 \times (1 + (((1 + 1)^{11}) - 1111))) \\
&:= (2 \times ((22 - 2) \times ((2^{2 \times (2+2)} + 2)) + 2)) - 2/2 \\
&:= ((33/3)^3) + ((3^3 \times 333) - 3) \\
&:= ((4^4 + 4) \times (44 - 4)) - ((4 - 4/4)^4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) - 5/5) + 5 \times 5 \\
&:= (66666/6) - (66 \times (6 + 6)) \\
&:= 7/7 + ((77 \times ((77 + 7 \times 7) + 7)) + 77) \\
&:= ((88 - 8) \times (8 \times (8 + 8) + 8/8)) - 8/8 \\
&:= 99 + ((99999/9) - (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10320 &:= 1 + (1 + (11 \times (1 + (((1 + 1)^{11}) - 1111)))) \\
&:= 2 \times ((22 - 2) \times ((2^{2 \times (2+2)} + 2)) + 2) \\
&:= (3^3 + 3) \times (333 + (33/3)) \\
&:= (4 \times 4 + 4) \times ((4^4 + 4^4) + 4) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) + 5 \times 5) \\
&:= ((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) - 6) \\
&:= (((7 + 7)/7)^7) + ((7 + 7) \times (777 - (7 \times 7))) \\
&:= (88 - 8) \times (8 \times (8 + 8) + 8/8) \\
&:= ((9 \times 9) - 9/9) \times (((999/9) + 9) + 9)
\end{aligned}$$

- ▶ **10321** := $(11^{1+1}) + (((1 + ((11 - 1)^{1+1}))^{1+1}) - 1)$
:= $2/2 + (2 \times ((22 - 2) \times ((2^{2 \times (2+2)}) + 2)))$
:= $3 + (((33 - 33/3)^3) - 333) + 3$
:= $((4 - 4/4)^4) + (4^4 \times (44 - 4))$
:= $5^5 + (((5/5 + 5)^5) - (555 + 5 \times 5))$
:= $6/6 + (((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) - 6))$
:= $77 + (((7 - 7/7) + 7) \times ((77/7) + 777))$
:= $8/8 + ((88 - 8) \times (8 \times (8 + 8) + 8/8))$
:= $9 \times 9 + ((99/9 + 9) \times (((9 + 9)/9)^9))$
- ▶ **10322** := $(11^{1+1}) + ((1 + ((11 - 1)^{1+1}))^{1+1})$
:= $2 + (2 \times ((22 - 2) \times ((2^{2 \times (2+2)}) + 2)))$
:= $((33/3)^3) + (3^3 \times 333)$
:= $4/4 + ((4^4 \times (44 - 4)) + ((4 - 4/4)^4))$
:= $((5 + 5)/5)^5 + ((5 + 5) \times ((5 - 5/5)^5 + 5))$
:= $(6/6 + 6 + 6) \times ((66 \times (6 + 6)) + ((6 + 6)/6))$
:= $(77/7) + ((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7/7))$
:= $((8 + 8)/8) + ((88 - 8) \times (8 \times (8 + 8) + 8/8))$
:= $9 + (99 \times 99) + (((9 + 9)/9)^9)$
- ▶ **10323** := $111 \times (((1 + 1)^{11-1}) - 1)/11$
:= $222 + (222222/22)$
:= $333 \times ((3^3 + 3/3) + 3)$
:= $(444/4) \times (((4 + 4)^4) - 4)/44$
:= $(555/5) \times ((5 \times 5 \times 5) - ((5 + 5)/5)^5)$
:= $(666/6) \times ((666/6) - (6 + 6 + 6))$
:= $(777/7) \times (((7 + 7)/7) + 77) + 7 + 7$
:= $8 + (8 \times ((8 + 8) \times (88 - 8) + 8)) + (88/8)$
:= $((9 + 9) \times (9 + 9)) + 9999$
- ▶ **10324** := $1 + (111 \times (((1 + 1)^{11-1}) - 1)/11)$
:= $2 \times (((2 \times ((2 + 2 + 2)^2))^2) - 22)$
:= $3/3 + (333 \times ((3^3 + 3/3) + 3))$
:= $4 + ((4 \times 4 + 4) \times ((4^4 + 4^4) + 4))$
:= $5^5 + (((55 + 5) \times (5 \times 5 \times 5 - 5)) - 5/5)$
:= $((6 + 6)/6)^6 + (6 \times ((6 \times (6 \times 66)) - 666))$
:= $7 + (((77 \times ((77 + 7 \times 7) + 7)) - 7/7) + 77)$
:= $(8/8 + 88) \times ((8 \times (8 + 8)) - ((88 + 8)/8))$
:= $9/9 + (((9 + 9) \times (9 + 9)) + 9999)$
- ▶ **10325** := $1 + (1 + (111 \times (((1 + 1)^{11-1}) - 1)/11))$
:= $2/2 + (2 \times (((2 \times ((2 + 2 + 2)^2))^2) - 22))$
:= $3 + ((3^3 \times 333) + ((33/3)^3))$
:= $4 + ((4^4 \times (44 - 4)) + ((4 - 4/4)^4))$
:= $5^5 + ((55 + 5) \times (5 \times 5 \times 5 - 5))$
:= $6 + (66666/6 - (66 \times (6 + 6)))$
:= $7 + (77 \times ((77 + 7 \times 7) + 7)) + 77$
:= $8 + (((8 \times ((8 + 8) \times (88 - 8))) - 88/8) + 88)$
:= $((9 + 9)/9) + (((9 + 9) \times (9 + 9)) + 9999)$
- ▶ **10326** := $1 + (1 + (1 + (111 \times (((1 + 1)^{11-1}) - 1)/11)))$
:= $2 + (2 \times (((2 \times ((2 + 2 + 2)^2))^2) - 22))$
:= $3 + (333 \times ((3^3 + 3/3) + 3))$
:= $4 + (((4^4 \times (44 - 4)) + ((4 - 4/4)^4)) + 4/4)$
:= $5^5 + (((55 + 5) \times (5 \times 5 \times 5 - 5)) + 5/5)$
:= $(6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) - 6$
:= $7 + (((77 \times ((77 + 7 \times 7) + 7)) + 77) + 7/7)$
:= $88 + ((8 \times ((8 + 8) \times (88 - 8))) - ((8 + 8)/8))$
:= $9 + ((9 \times (9 \times ((99 + 9 + 9) + 9))) + (999/9))$
- ▶ **10327** := $1111 + ((11 - 1 - 1) \times ((1 + 1)^{11-1}))$
:= $(22 + 2/2) \times ((2 \times (222 + 2)) + 2/2)$
:= $3 + ((333 \times ((3^3 + 3/3) + 3)) + 3/3)$
:= $4 + ((444/4) \times (((4 + 4)^4) - 4)/44)$
:= $5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) + (((5 + 5)/5)^5))$
:= $6/6 + ((6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) - 6)$
:= $(77777/7) - (777 + 7)$
:= $88 + ((8 \times ((8 + 8) \times (88 - 8))) - 8/8)$
:= $9999/9 + ((9 + 9) \times (((9 + 9)/9)^9))$
- ▶ **10328** := $(11 \times (11 + ((1 + 1)^{11})) - (111^{1+1}))$
:= $2 \times (((2 \times ((2 + 2 + 2)^2))^2) - 22) + 2$
:= $3 + ((3^3 \times 333) + ((33/3)^3)) + 3$
:= $44 + ((4^4 \times (44 - 4)) + 44)$
:= $5^5 + (((5 + 5)/5) + 5) \times ((5 - 5/5)^5 + 5)$
:= $((6 + 6)/6 + 6) \times (((6 \times 6 \times 6 \times 6) - 6) + 6/6)$
:= $((7 + 7) \times 777) - ((7 \times 77) + (77/7))$
:= $88 + (8 \times ((8 + 8) \times (88 - 8)))$
:= $9 + (((99999/9) - (9 \times 99)) + 99)$
- ▶ **10329** := $11 \times (1 + (1 + (((1 + 1)^{11}) - 111)))$
:= $2 + (((2 \times (2 \times (22 + 2)))^2) + (2222/2))$
:= $333 + (3 \times 3333 - 3)$
:= $(44 \times (4^4 + 4)) - (4444/4)$
:= $((5^5 + 5)/5 + 5) \times (((5 + 5)/5)^5 + 5/5)$
:= $6 + ((666/6) \times ((666/6) - (6 + 6 + 6)))$
:= $77 + ((77 \times ((77 + 7 \times 7) + 7)) + (77/7))$
:= $8/8 + ((8 \times ((8 + 8) \times (88 - 8))) + 88)$
:= $9 + (((9 \times 9) - 9/9) \times (((999/9) + 9) + 9))$
- ▶ **10330** := $(11 - 1) \times (11 + (((1 + 1)^{11-1}) - (1 + 1)))$
:= $((2^{2+2}) + 2) \times (((22 + 2)^2) - 2) - 2$
:= $3/3 + ((3 \times 3333 - 3) + 333)$
:= $((44 - 4)/4) \times (((4 \times 4^4) + 4/4) + 4) + 4$
:= $5 + (((55 + 5) \times (5 \times 5 \times 5 - 5)) + 5^5)$
:= $(6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) - ((6 + 6)/6)$
:= $7 + ((777/7) \times (((7 + 7)/7) + 77) + 7) + 7$
:= $88 + ((8 \times ((8 + 8) \times (88 - 8))) + ((8 + 8)/8))$
:= $(9/9 + 9) \times (((9 + 9)/9)^{9+9} + 9)$

$$\begin{aligned}
 \blacktriangleright 10331 &:= 1 + ((11 - 1) \times (11 + (((1 + 1)^{11-1}) - (1 + 1)))) \\
 &:= ((2^{2+2}) + 2) \times (((22 + 2)^2) - 2) - 2/2 \\
 &:= 333 + (3 \times 3333 - 3/3) \\
 &:= ((4^4 - 4) \times ((4/4 - 4) + 44)) - 4/4 \\
 &:= (((555/5) + 5)^{(5+5)/5}) - 5^5 \\
 &:= (6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) - 6/6 \\
 &:= ((7 + 7) \times 777) - (((7 \times 77) + 7/7) + 7) \\
 &:= 88/8 + ((88 - 8) \times (8 \times (8 + 8) + 8/8)) \\
 &:= 9 + (((99 \times 99) + ((9 + 9)/9^9)) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10332 &:= (((111 \times ((1 + 1)^{11-1}) - 1)/11) - 1) \\
 &:= ((2^{2+2}) + 2) \times (((22 + 2)^2) - 2) \\
 &:= (3 + 3) \times (((3 \times 3 + 3)^3) - (3 + 3)) \\
 &:= (4^4 - 4) \times ((4/4 - 4) + 44) \\
 &:= 55 + (((5 - 5^5)/5) + ((5/5 + 5)^5)) + 5^5 \\
 &:= 6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6) \\
 &:= ((7 + 7) \times 777) - ((7 \times 77) + 7) \\
 &:= 8 + ((8/8 + 88) \times ((8 \times (8 + 8)) - ((88 + 8)/8))) \\
 &:= 9 + (((9 + 9) \times (9 + 9)) + 9999)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10333 &:= ((111 \times ((1 + 1)^{11-1}) - 1)/11) \\
 &:= 2/2 + (((2^{2+2}) + 2) \times (((22 + 2)^2) - 2)) \\
 &:= 3/3 + ((3 \times 3333) + 333) \\
 &:= 4/4 + ((4^4 - 4) \times ((4/4 - 4) + 44)) \\
 &:= 5 + (((5 + 5)/5) + 5) \times ((5 - 5/5)^5 + 5) + 5^5 \\
 &:= 6/6 + (6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) \\
 &:= 7/7 + (((7 + 7) \times 777) - ((7 \times 77) + 7)) \\
 &:= (8 \times ((8 \times 8) + 8)) + ((88/8) \times (888 - 8/8)) \\
 &:= (9 \times (9 \times 9)) + ((99 - 9/9)^{(9+9)/9})
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10334 &:= 1 + (((111 \times ((1 + 1)^{11-1}) - 1)/11) \\
 &:= 2 + (((2^{2+2}) + 2) \times (((22 + 2)^2) - 2)) \\
 &:= ((3 + 3) \times ((3 \times 3 + 3)^3)) - (3/3 + 33) \\
 &:= 4^4 + (((44 - 4) \times (4^4 - 4)) - ((4 + 4)/4)) \\
 &:= ((5 + 5) \times (((5 - 5/5)^5 + 5) + 5)) - (5/5 + 5) \\
 &:= ((6 + 6)/6) + (6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) \\
 &:= (77777/7) - 777 \\
 &:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) - ((8 + 8)/8)) + 88) \\
 &:= (99/9) + (((9 + 9) \times (9 + 9)) + 9999)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10335 &:= 1 + (1 + (((111 \times ((1 + 1)^{11-1}) - 1)/11)) \\
 &:= 2 + (((2^{2+2}) + 2) \times (((22 + 2)^2) - 2)) + 2/2 \\
 &:= ((3 + 3) \times ((3 \times 3 + 3)^3)) - 33 \\
 &:= 4^4 + (((44 - 4) \times (4^4 - 4)) - 4/4) \\
 &:= ((5 + 5) \times (((5 - 5/5)^5 + 5) + 5)) - 5 \\
 &:= (6/6 + 6 + 6) \times (((6 \times 6)/(6 + 6))^6) + 66 \\
 &:= 7/7 + ((77777/7) - 777) \\
 &:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) - 8/8) + 88) \\
 &:= ((9 + 9) \times (9 + 9)) + (9999 + ((9 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10336 &:= 1 + (1 + (1 + (((111 \times ((1 + 1)^{11-1}) - 1)/11))) \\
 &:= 2 \times (2 \times (2 \times (((2 + 2 + 2)^{2+2}) - (2 + 2)))) \\
 &:= 3/3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 33) \\
 &:= 4^4 + ((44 - 4) \times (4^4 - 4)) \\
 &:= 5 + (((555/5) + 5)^{(5+5)/5}) - 5^5 \\
 &:= 6 + ((6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) - ((6 + 6)/6)) \\
 &:= (7/7 - 77) \times ((77/7) - (7 \times (7 + 7 + 7))) \\
 &:= 8 + ((8 \times ((8 + 8) \times (88 - 8))) + 88) \\
 &:= ((9/9 + 9) + 9) \times (((99 \times 99) - 9)/(9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10337 &:= ((111 - (1 + 1 + 1 + 1))^{1+1}) - (1 + 1111) \\
 &:= 2/2 + (2 \times (2 \times (2 \times (((2 + 2 + 2)^{2+2}) - (2 + 2)))) \\
 &:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - (3/3 + 33)) \\
 &:= 4/4 + (((44 - 4) \times (4^4 - 4)) + 4^4) \\
 &:= 5 \times 5 + (((5^5 - 5)/(5 + 5)) + ((5 + 5)^{5-5/5})) \\
 &:= 6 + ((6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) - 6/6) \\
 &:= 77 + ((77 - 7/7) \times (((7 + 7)/7)^7) + 7) \\
 &:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) + 8/8) + 88) \\
 &:= (99 \times 99) + (((99 \times 99) + 9)/(9 + 9)) - 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10338 &:= ((111 - (1 + 1 + 1 + 1))^{1+1}) - 1111 \\
 &:= (22 \times (22^2 - (2 + 2))) - 222 \\
 &:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 33) \\
 &:= 4^4 + (((44 - 4) \times (4^4 - 4)) + ((4 + 4)/4)) \\
 &:= ((5 + 5) \times (((5 - 5/5)^5 + 5) + 5)) - ((5 + 5)/5) \\
 &:= 6 + (6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) \\
 &:= ((7 + 7) \times 777) - ((7 \times 77) + 7/7) \\
 &:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) + ((8 + 8)/8)) + 88) \\
 &:= (9 \times (999 + (9 \times (9 + 9)))) - (999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10339 &:= ((11 - 1) \times (11 + ((1 + 1)^{11-1}))) - 11 \\
 &:= (22 \times ((22^2 - (2^{2+2})) + 2)) - 2/2 \\
 &:= ((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) - (33/3) \\
 &:= 4 + (((44 - 4) \times (4^4 - 4)) - 4/4) + 4^4 \\
 &:= ((5 + 5) \times (((5 - 5/5)^5 + 5) + 5)) - 5/5 \\
 &:= 6 + ((6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) + 6/6) \\
 &:= 7 \times (((7 + 7) \times (7 \times (7 + 7) + 7)) + 7) \\
 &:= 88 + ((8 \times ((8 + 8) \times (88 - 8))) + (88/8)) \\
 &:= 99 + ((99/9 + 9) \times (((9 + 9)/9)^9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10340 &:= (11 - 1) \times (11 + (((1 + 1)^{11-1}) - 1)) \\
 &:= 22 \times ((22^2 - (2^{2+2})) + 2) \\
 &:= ((3 + 3) \times ((3 \times 3 + 3)^3)) - (3^3 + 3/3) \\
 &:= 4 + (((44 - 4) \times (4^4 - 4)) + 4^4) \\
 &:= (5 + 5) \times (((5 - 5/5)^5 + 5) + 5) \\
 &:= ((6 \times 6 + 66)^{(6+6)/6}) - (((6 + 6)/6)^6) \\
 &:= 7/7 + (7 \times (((7 + 7) \times (7 \times (7 + 7) + 7)) + 7)) \\
 &:= ((888 - 8)/8) \times ((88 - ((8 + 8)/8)) + 8) \\
 &:= 9 + (((99 \times 99) + (((9 + 9)/9)^9)) + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10341 &:= 1 + ((11 - 1) \times (11 + (((1 + 1)^{11-1}) - 1))) \\
 &:= 2/2 + (22 \times ((22^2 - (2^{2+2})) + 2)) \\
 &:= ((3 + 3) \times ((3 \times 3 + 3)^3)) - 3^3 \\
 &:= 4 + (((44 - 4) \times (4^4 - 4)) + 4^4) + 4/4 \\
 &:= 5^5 + (((5/5 + 5)^5) - (555 + 5)) \\
 &:= 6 + ((6/6 + 6 + 6) \times (((6 \times 6 / (6 + 6))^6) + 66)) \\
 &:= 7 + ((77777/7) - 777) \\
 &:= (8/8 + 8) \times (((8 + 8) \times ((8 \times 8) + 8)) - 88/8) + 8 \\
 &:= 9 + (((9 + 9) \times (9 + 9)) + 9999) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10342 &:= 1 + (1 + ((11 - 1) \times (11 + (((1 + 1)^{11-1}) - 1)))) \\
 &:= 2 + (22 \times ((22^2 - (2^{2+2})) + 2)) \\
 &:= 3/3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 3^3) \\
 &:= 4 + (((44 - 4) \times (4^4 - 4)) + ((4 + 4)/4) + 4^4) \\
 &:= ((5 + 5)/5) + ((5 + 5) \times (((5 - 5/5)^5 + 5) + 5)) \\
 &:= ((66 - 6)/6) + (6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) \\
 &:= 7 + (((77777/7) - 777) + 7/7) \\
 &:= ((888 - 8)/8) + ((8 \times ((8 + 8) \times (88 - 8))) - 8) \\
 &:= 9 + (((99 - 9/9)^{(9+9)/9}) + (9 \times (9 \times 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10343 &:= ((111 \times (1 + ((1 + 1)^{11-1}))) - (1 + 1))/11 \\
 &:= 2 + ((22 \times ((22^2 - (2^{2+2})) + 2)) + 2/2) \\
 &:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - (3^3 + 3/3)) \\
 &:= 4^4 + ((44444/4) - (4 \times 4^4)) \\
 &:= 5 + (((5 + 5) \times (((5 - 5/5)^5 + 5) + 5)) - ((5 + 5)/5)) \\
 &:= (66/6) + (6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) \\
 &:= (7 \times 7 \times 7) + (((77 - 7)/7)^{77/7-7}) \\
 &:= (88888/8) - (8 \times (88 + 8)) \\
 &:= 9 + (((9 + 9) \times (9 + 9)) + 9999) + (99/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10344 &:= 11 + (((111 \times ((1 + 1)^{11-1})) - 1)/11) \\
 &:= 2 \times (2 \times (2 \times ((2 + 2 + 2)^{2+2}) - 2) - 2) \\
 &:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 3^3) \\
 &:= 4 + (((44 - 4) \times (4^4 - 4)) + 4^4) + 4 \\
 &:= 5 + (((5 + 5) \times (((5 - 5/5)^5 + 5) + 5)) - 5/5) \\
 &:= 6 + ((6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) + 6) \\
 &:= 7 + (((77 - 7/7) \times (((7 + 7)/7)^7) + 7) + 77) \\
 &:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) + 88) + 8) \\
 &:= (9 - 9/9) \times (((9 + 9) \times ((9 \times 9) - 9)) - ((9 + 9 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10345 &:= ((1 + 11)^{1+1}) + ((1 + ((11 - 1)^{1+1}))^{1+1}) \\
 &:= (2 \times ((2 \times ((2 + 2 + 2)^2)) - (22 + 2/2)) \\
 &:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 3^3) + 3/3 \\
 &:= (4/4 + 4) \times (((4 + 4) \times (4^4 + 4)) - 44/4) \\
 &:= 5 + ((5 + 5) \times (((5 - 5/5)^5 + 5) + 5)) \\
 &:= 6 + (((6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) + 6/6) + 6) \\
 &:= 7 + (((7 + 7) \times 777) - ((7 \times 77) + 7/7)) \\
 &:= ((88 - 8/8) \times ((888/8) + 8)) - 8 \\
 &:= (99 \times 99) + (((99 \times 99) - 9)/(9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10346 &:= (1 + 1) \times (((1 + 1 + 1) \times ((1 + 11)^{1+1+1})) - 11) \\
 &:= (2 \times ((2 \times ((2 + 2 + 2)^2))^2) - 22 \\
 &:= ((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) - (3/3 + 3) \\
 &:= ((4 + 4)^4) + (((44 - 4)/4) \times ((4/4 + 4)^4)) \\
 &:= 5^5 + (((5/5 + 5)^5) - 555) \\
 &:= 6 + (((6 \times 6 + 66)^{(6+6)/6}) - (((6 + 6)/6)^6)) \\
 &:= 7 + (7 \times (((7 + 7) \times (7 \times (7 + 7) + 7)) + 7)) \\
 &:= 8/8 + (((88 - 8/8) \times ((888/8) + 8)) - 8) \\
 &:= (99 \times 99) + (((99 \times 99) + 9)/(9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10347 &:= ((1 + 111)^{1+1}) - ((1 + 1 + 11)^{1+1+1}) \\
 &:= 2/2 + ((2 \times ((2 \times ((2 + 2 + 2)^2))^2) - 22) \\
 &:= ((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) - 3 \\
 &:= 444/4 + ((4^4 \times (44 - 4)) - 4) \\
 &:= 5^5 + (((5/5 + 5)^5) - 555) + 5/5 \\
 &:= 6 + (((6/6 + 6 + 6) \times (((6 \times 6 / (6 + 6))^6) + 66)) + 6) \\
 &:= 7 + ((7 \times (((7 + 7) \times (7 \times (7 + 7) + 7)) + 7)) + 7/7) \\
 &:= 8 + (((8 \times ((8 + 8) \times (88 - 8))) + (88/8)) + 88) \\
 &:= 9 + ((9 \times (999 + (9 \times (9 + 9)))) - (999/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10348 &:= ((11 - 1) \times (11 + ((1 + 1)^{11-1}))) - (1 + 1) \\
 &:= (22 + 2 + 2) \times (((22 - 2)^2) - 2) \\
 &:= 3/3 + (((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) - 3) \\
 &:= 4 \times 4 + ((4^4 - 4) \times ((4/4 - 4) + 44)) \\
 &:= 55 + (((5 + 5)/5) + 5) \times (((5 - 5/5)^5) + 5^5) \\
 &:= (6 - ((6 + 6)/6)) \times (((6 \times (6 \times (66 + 6))) - 6) + 6/6) \\
 &:= 7 + (((77777/7) - 777) + 7) \\
 &:= 8 + (((888 - 8)/8) \times ((88 - ((8 + 8)/8)) + 8)) \\
 &:= 9 + (((99/9 + 9) \times (((9 + 9)/9)^9) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10349 &:= ((11 - 1) \times (11 + ((1 + 1)^{11-1}))) - 1 \\
 &:= 2/2 + ((22 + 2 + 2) \times (((22 - 2)^2) - 2)) \\
 &:= ((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) - 3/3 \\
 &:= 44 + ((4^4 \times (44 - 4)) + ((4^4 + 4)/4)) \\
 &:= (55 \times ((5 \times 5 \times (5 + 5)) - 5)) - (5^5 + 5/5) \\
 &:= 6 + ((6 \times ((6 \times (6 \times (6 \times 6 + 6 + 6))) - 6)) + (66/6)) \\
 &:= ((77 - 7)/7) + (7 \times (((7 + 7) \times (7 \times (7 + 7) + 7)) + 7)) \\
 &:= ((8 + 8) \times ((8 \times (88 - 8)) + 8)) - ((88/8) + 8) \\
 &:= (((9 + 9)/9)^9) + (9999 - (9 \times (9 + 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 10350 &:= (11 - 1) \times (11 + ((1 + 1)^{11-1})) \\
 &:= 2 + ((22 + 2 + 2) \times (((22 - 2)^2) - 2)) \\
 &:= (3 + 3) \times (((3 \times 3 + 3)^3) - 3) \\
 &:= ((44 - 4)/4) \times ((44/4) + (4 \times 4^4)) \\
 &:= (5 + 5) \times (((5 - 5/5)^5) + (55/5)) \\
 &:= (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - (6 + 6 + 6) \\
 &:= (77/7) + (7 \times (((7 + 7) \times (7 \times (7 + 7) + 7)) + 7)) \\
 &:= (8/8 + 8) \times (((8 + 8) \times ((8 \times 8) + 8)) - ((8 + 8)/8)) \\
 &:= (9 \times (999 + (9 \times (9 + 9)))) - 99
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10351 &:= 1 + ((11 - 1) \times (11 + ((1 + 1)^{11-1})) \\
&:= (2 \times (2 \times (2 \times ((2 + 2 + 2)^{2+2} - 2)))) - 2/2 \\
&:= 3/3 + ((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) \\
&:= 444/4 + (4^4 \times (44 - 4)) \\
&:= 5 + (((5/5 + 5)^5) - 555) + 5^5 \\
&:= (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - ((66/6) + 6) \\
&:= ((77 + 7)/7) + (7 \times (((7 + 7) \times (7 \times (7 + 7) + 7)) + 7)) \\
&:= (888/8) + (8 \times ((8 + 8) \times (88 - 8))) \\
&:= 9/9 + ((9 \times (999 + (9 \times (9 + 9)))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10352 &:= 1 + (1 + ((11 - 1) \times (11 + ((1 + 1)^{11-1}))) \\
&:= 2 \times (2 \times (2 \times ((2 + 2 + 2)^{2+2} - 2))) \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) - 3/3) \\
&:= 4 \times ((4 \times ((4 + 4) \times ((4 - 4/4)^4))) - 4) \\
&:= (55/5 + 5) \times (((55 + 55) + 5^5)/5) \\
&:= ((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) - ((6 + 6)/6)) \\
&:= (777/7) + (77 \times ((77 + 7 \times 7) + 7)) \\
&:= (8 + 8) \times (((8 \times (88 - 8)) - 8/8) + 8) \\
&:= (9 - 9/9) \times (((9 + 9) \times ((9 \times 9) - 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10353 &:= 1 + (1 + (1 + ((11 - 1) \times (11 + ((1 + 1)^{11-1})))) \\
&:= 2/2 + (2 \times (2 \times (2 \times ((2 + 2 + 2)^{2+2} - 2)))) \\
&:= 3 + ((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) \\
&:= ((4 \times 4) + 4/4) \times (((4/4 + 4)^4) - 4 \times 4) \\
&:= ((55 + 5)/5 + 5) \times (((5^5 - 55)/5) - 5) \\
&:= (6 \times (6 \times 6 + 6)) + 666666/66 \\
&:= 7 + ((7 \times (((7 + 7) \times (7 \times (7 + 7) + 7)) + 7)) + 7) \\
&:= (88 - 8/8) \times ((888/8) + 8) \\
&:= (9 \times (9 + 9 + 9)) + ((999/9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10354 &:= 1 + (1 + (1 + (1 + ((11 - 1) \times (11 + ((1 + 1)^{11-1})))))) \\
&:= 2 + (2 \times (2 \times (2 \times ((2 + 2 + 2)^{2+2} - 2)))) \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) + 3/3) \\
&:= 4 + ((4^4 \times (44 - 4)) + ((444 - 4)/4)) \\
&:= 5 + ((55 \times ((5 \times 5 \times (5 + 5)) - 5)) - (5^5 + 5/5)) \\
&:= (((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) - 6/6)) - 6 \\
&:= 7 + (((7 \times (((7 + 7) \times (7 \times (7 + 7) + 7)) + 7)) + 7/7) + 7) \\
&:= 8/8 + ((88 - 8/8) \times ((888/8) + 8)) \\
&:= 9 + (((99 \times 99) - 9)/(9 + 9)) + (99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10355 &:= (((1 + 11)^{1+1+1+1})/(1 + 1)) - (1 + 1 + 11) \\
&:= (2 \times ((2 \times ((2 + 2 + 2)^2))^2) - ((22/2) + 2) \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) - 3/3) + 3 \\
&:= 4 + ((4^4 \times (44 - 4)) + (444/4)) \\
&:= 5 + ((5 + 5) \times (((5 - 5/5)^5) + (55/5))) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - (6/6 + 6 + 6) \\
&:= (((77 + 7)/7) + 7) \times (((7 \times 77) - 7/7) + 7) \\
&:= ((88 - 8/8) + 8) \times ((888 - (8 + 8))/8) \\
&:= ((9/9 + 9) + 9) \times (((99 \times 99) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10356 &:= (1 + 11) \times (((1 + 11)^{1+1+1})/(1 + 1)) - 1 \\
&:= 2 \times ((2 \times (2 \times ((2 + 2 + 2)^{2+2} - 2))) + 2) \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) + 3) \\
&:= ((4^4 + 4) \times (44 - 4)) - 44 \\
&:= 5 + (((5/5 + 5)^5) - 555) + 5^5 + 5 \\
&:= (6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) - 6/6) \\
&:= 77 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - (77/7)) \\
&:= ((8 + 8) \times ((8 \times (88 - 8)) + 8)) - ((88 + 8)/8) \\
&:= (99 \times 99) + ((9999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10357 &:= (((1 + 11)^{1+1+1+1})/(1 + 1)) - 11 \\
&:= (2 \times ((2 \times ((2 + 2 + 2)^2))^2) - (22/2) \\
&:= ((3 + 3) \times ((3 \times 3 + 3)^3)) - (33/3) \\
&:= 4/4 + (((4^4 + 4) \times (44 - 4)) - 44) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5) + ((555 + 5)/5)) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - (66/6) \\
&:= 7 + ((7 \times (((7 + 7) \times (7 \times (7 + 7) + 7)) + 7)) + (77/7)) \\
&:= ((8 + 8) \times ((8 \times (88 - 8)) + 8)) - (88/8) \\
&:= (99 \times 99) + ((9999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10358 &:= 1 + (((1 + 11)^{1+1+1+1})/(1 + 1)) - 11 \\
&:= (2 \times (2 \times ((2 \times ((2 + 2 + 2)^{2+2} - 2))) - 2) \\
&:= ((3 - 33)/3) + ((3 + 3) \times ((3 \times 3 + 3)^3)) \\
&:= ((4 + 4)/4) + (((4^4 + 4) \times (44 - 4)) - 44) \\
&:= 5 + (((55 + 5)/5 + 5) \times (((5^5 - 55)/5) - 5)) \\
&:= ((6 - 66)/6) + (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) \\
&:= (7 \times (7 + 7)) + ((77 - 7/7) \times (((7 + 7)/7)^7) + 7) \\
&:= ((8 - 88)/8) + ((8 + 8) \times ((8 \times (88 - 8)) + 8)) \\
&:= (9 \times (9 \times (99 + 9 + 9) + 99)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10359 &:= ((11 - 1) \times (1 + (11 + ((1 + 1)^{11-1})))) - 1 \\
&:= 2 + ((2 \times ((2 \times ((2 + 2 + 2)^2))^2) - (22/2)) \\
&:= ((3 + 3) \times ((3 \times 3 + 3)^3)) - (3 \times 3) \\
&:= ((44 - 4) \times ((4^4 - 4/4) + 4)) - 4/4 \\
&:= ((5 \times 55 + 5) \times (((5 + 5)/5)^5) + 5) - 5/5 \\
&:= ((666/6 - 6)^{(6+6)/6}) - 666 \\
&:= ((77 - 7) \times ((7 \times (7 + 7 + 7)) + 7/7)) - 7/7 \\
&:= (8/8 + 8) \times (((8 + 8) \times ((8 \times 8) + 8)) - 8/8) \\
&:= (9 \times (9 \times (99 + 9 + 9) + 99)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10360 &:= (11 - 1) \times (1 + (11 + ((1 + 1)^{11-1}))) \\
&:= 2 \times (2 \times ((2 \times ((2 + 2 + 2)^{2+2} - 2))) \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 33/3) \\
&:= (44 - 4) \times ((4^4 - 4/4) + 4) \\
&:= (5 \times 55 + 5) \times (((5 + 5)/5)^5) + 5 \\
&:= ((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) - 6/6) \\
&:= (77 - 7) \times ((7 \times (7 + 7 + 7)) + 7/7) \\
&:= ((8 + 8) \times ((8 \times (88 - 8)) + 8)) - 8 \\
&:= (9 - 9/9) \times (((9 + 9) \times ((9 \times 9) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10361 &:= 1 + ((11 - 1) \times (1 + (11 + ((1 + 1)^{11-1}))) \\
&:= 2/2 + (2 \times (2 \times ((2 \times ((2 + 2 + 2)^{2+2}) - 2))) \\
&:= (33/3) + ((3 + 3) \times (((3 \times 3 + 3)^3) - 3)) \\
&:= 4/4 + ((44 - 4) \times ((4^4 - 4/4) + 4)) \\
&:= 5/5 + ((5 \times 55 + 5) \times (((5 + 5)/5)^5 + 5)) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - (6/6 + 6) \\
&:= 7/7 + (((77 - 7) \times ((7 \times (7 + 7 + 7)) + 7/7)) \\
&:= 8 + ((88 - 8/8) \times ((888/8) + 8)) \\
&:= 9 + ((9 - 9/9) \times (((9 + 9) \times ((9 \times 9) - 9)) - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10362 &:= (1 + 1) \times ((1 + 1 + 1) \times (((1 + 11)^{1+1+1}) - 1)) \\
&:= 22 \times (22^2 - (22/2 + 2)) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) - 3/3) \\
&:= ((4 + 4)/4) + ((44 - 4) \times ((4^4 - 4/4) + 4)) \\
&:= ((5 + 5)/5) + ((5 \times 55 + 5) \times (((5 + 5)/5)^5 + 5)) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - 6 \\
&:= 7 + (((77 + 7)/7) + 7) \times (((7 \times 77) - 7/7) + 7) \\
&:= ((8 + 8)/8) + (((8 + 8) \times ((8 \times (88 - 8)) + 8)) - 8) \\
&:= 9999 + ((99 \times 99)/(9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10363 &:= (1 + (((1 + 11)^{1+1+1+1}) - 11))/(1 + 1) \\
&:= ((2 \times 22) - 2/2) \times ((22^2 - 2)/2) \\
&:= 3/3 + ((3 + 3) \times (((3 \times 3 + 3)^3) - 3/3)) \\
&:= (44 - 4/4) \times ((4/4 - 4 \times 4) + 4^4) \\
&:= 5^5 + (((5 + 5)/5) + 5) \times (((5 - 5/5)^5 + 5) + 5) \\
&:= 6/6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - 6) \\
&:= (((7 \times 77) + 7) \times (((77 + 7)/7) + 7)) - (77/7) \\
&:= 8 + (((88 - 8/8) + 8) \times ((888 - (8 + 8))/8)) \\
&:= (9 \times (9 + 9)) + (((9 + 9)/9) + 99)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10364 &:= 1 + ((1 + (((1 + 11)^{1+1+1+1}) - 11))/(1 + 1)) \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2))^2) - 2) \\
&:= ((3 + 3) \times ((3 \times 3 + 3)^3)) - (3/3 + 3) \\
&:= ((4 + 4) \times (((4 + 4)/4) + 4^4)) - 4 \\
&:= (5 \times 5 \times 5) + (((5 + 5) \times ((5 - 5/5)^5)) - 5/5) \\
&:= ((6 + 6)/6) + ((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - 6) \\
&:= 7 + (((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7)) + 7)) + (77/7)) + 7) \\
&:= ((8 + 8) \times ((8 \times (88 - 8)) + 8)) - (8 \times 8/(8 + 8)) \\
&:= 9999 + (((9 \times (9 \times (9 \times 9))) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10365 &:= (1 + 1 + 1) \times (((1 + 1) \times ((1 + 11)^{1+1+1}) - 1) \\
&:= 2/2 + (2 \times (((2 \times ((2 + 2 + 2)^2))^2) - 2)) \\
&:= ((3 + 3) \times ((3 \times 3 + 3)^3)) - 3 \\
&:= 4/4 + (((4 + 4) \times (((4 + 4)/4) + 4^4)) - 4) \\
&:= 5 \times (((5 + 5)/5)^{55/5}) + 5 \times 5 \\
&:= (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - (6 \times 6/(6 + 6)) \\
&:= 77 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - ((7 + 7)/7)) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 - 8)) + 8)) - 88/8) \\
&:= 9 + (((9999 - 9)/(9 + 9)) + (99 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10366 &:= (((1 + 11)^{1+1+1+1})/(1 + 1)) - (1 + 1) \\
&:= (2 \times ((2 \times ((2 + 2 + 2)^2))^2) - 2) \\
&:= 3/3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 3) \\
&:= ((4 + 4) \times (((4 + 4)/4) + 4^4)) - ((4 + 4)/4) \\
&:= 5/5 + (((5 + 5) \times ((5 - 5/5)^5)) + 5 \times 5 \times 5) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - ((6 + 6)/6) \\
&:= 77 + ((7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) - 7/7) \\
&:= ((8 + 8) \times ((8 \times (88 - 8)) + 8)) - ((8 + 8)/8) \\
&:= ((9 + 9)/9) \times (((9 \times 9) - 9)^{(9+9)/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10367 &:= (((1 + 11)^{1+1+1+1})/(1 + 1)) - 1 \\
&:= (2 \times ((2 \times ((2 + 2 + 2)^2))^2) - 2/2) \\
&:= ((3 + 3) \times ((3 \times 3 + 3)^3)) - 3/3 \\
&:= ((4 + 4) \times (((4 + 4)/4) + 4^4)) - 4/4 \\
&:= 55 + (((5^5 - 5)/(5 + 5)) + ((5 + 5)^{5-5/5})) \\
&:= (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - 6/6 \\
&:= 77 + (7 \times ((7 + 7) \times (7 \times (7 + 7) + 7))) \\
&:= ((8 + 8) \times ((8 \times (88 - 8)) + 8)) - 8/8 \\
&:= (9 \times (9 \times (99 + 9 + 9) + 99)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10368 &:= ((1 + 11)^{1+1+1+1})/(1 + 1) \\
&:= 2 \times ((2 \times ((2 + 2 + 2)^2))^2) \\
&:= (3 + 3) \times ((3 \times 3 + 3)^3) \\
&:= (4 + 4) \times (((4 + 4)/4) + 4^4) \\
&:= (5 - 5/5) \times (((5/5 + 5)^5)/(5 - (5 + 5)/5)) \\
&:= 6 \times (6 \times (6 \times (6 \times 6 + 6 + 6))) \\
&:= (7/7 + 7) \times (((7 - 7/7)^{77/7-7}) \\
&:= (8 + 8) \times ((8 \times (88 - 8)) + 8) \\
&:= 9 \times (9 \times (99 + 9 + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10369 &:= 1 + (((1 + 11)^{1+1+1+1})/(1 + 1)) \\
&:= 2/2 + (2 \times ((2 \times ((2 + 2 + 2)^2))^2)) \\
&:= 3/3 + ((3 + 3) \times ((3 \times 3 + 3)^3)) \\
&:= 4/4 + ((4 + 4) \times (((4 + 4)/4) + 4^4)) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) - 5/5) + 5 \times 5 \times 5 \\
&:= 6/6 + (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) \\
&:= (((7 + 7)/7)^7) + (77 \times ((77 + 7 \times 7) + 7)) \\
&:= 8/8 + ((8 + 8) \times ((8 \times (88 - 8)) + 8)) \\
&:= 9/9 + (9 \times (9 \times (99 + 9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10370 &:= 1 + (1 + (((1 + 11)^{1+1+1+1})/(1 + 1))) \\
&:= 2 + (2 \times ((2 \times ((2 + 2 + 2)^2))^2)) \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 3/3) \\
&:= ((4 + 4)/4) + ((4 + 4) \times (((4 + 4)/4) + 4^4)) \\
&:= 5 + (((5 + 5) \times ((5 - 5/5)^5)) + 5 \times 5 \times 5) \\
&:= ((6 + 6)/6) + (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) \\
&:= ((7/7 + 77) + 7) \times (((777 + 77)/7) \\
&:= ((8 + 8)/8) + ((8 + 8) \times ((8 \times (88 - 8)) + 8)) \\
&:= ((9 + 9)/9) + (9 \times (9 \times (99 + 9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10371 &:= 1 + (1 + (1 + (((1 + 11)^{1+1+1+1}) / (1 + 1)))) \\
&:= 2 + ((2 \times ((2 \times ((2 + 2 + 2)^2))^2) + 2/2) \\
&:= 3 + ((3 + 3) \times ((3 \times 3 + 3)^3)) \\
&:= 4 + (((4 + 4) \times (((4 + 4)/4 + 4)^4)) - 4/4) \\
&:= 5 \times 5 + (((5/5 + 5)^5) - 555) + 5^5 \\
&:= (6 \times 6 / (6 + 6)) + (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) \\
&:= (77/7) + ((77 - 7) \times ((7 \times (7 + 7 + 7)) + 7/7)) \\
&:= 88/8 + (((8 + 8) \times ((8 \times (88 - 8)) + 8)) - 8) \\
&:= ((999/9) \times (9/9 + 99)) - (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10372 &:= 1111 + ((11 + (11 - 1))^{1+1+1}) \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2))^2) + 2) \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + 3/3) \\
&:= 4 + ((4 + 4) \times (((4 + 4)/4 + 4)^4)) \\
&:= (((5 + 5)/5)^5) + ((5 + 5) \times (((5 - 5/5)^5 + 5) + 5)) \\
&:= 6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - ((6 + 6)/6)) \\
&:= (7777/7) + (7 \times (7 \times (((7 + 7) \times (7 + 7)) - 7))) \\
&:= (8 \times 8 / (8 + 8)) + ((8 + 8) \times ((8 \times (88 - 8)) + 8)) \\
&:= 9 + (((9 + 9)/9) + 99)^{(9+9)/9} + (9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10373 &:= (11 + (((1 + 11)^{1+1+1+1}) - 1)) / (1 + 1) \\
&:= 2/2 + (2 \times (((2 \times ((2 + 2 + 2)^2))^2) + 2)) \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 3/3) + 3) \\
&:= 4 + (((4 + 4) \times (((4 + 4)/4 + 4)^4)) + 4/4) \\
&:= 5 + ((5 - 5/5) \times (((5/5 + 5)^5) / (5 - (5 + 5)/5))) \\
&:= 6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - 6/6) \\
&:= (((7 \times 77) + 7) \times (((77 + 7)/7) + 7)) - 7/7 \\
&:= (88/8) \times ((888 - (8/8 + 8)) + (8 \times 8)) \\
&:= (99999/9) - ((9 \times (9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10374 &:= (1 + 1) \times ((1 + 1 + 1) \times (1 + ((1 + 11)^{1+1+1}))) \\
&:= 2 + (2 \times (((2 \times ((2 + 2 + 2)^2))^2) + 2)) \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + 3) \\
&:= 4 + (((4 + 4) \times (((4 + 4)/4 + 4)^4)) + ((4 + 4)/4)) \\
&:= ((5 \times 5) + 5/5) \times (((5 - 5/5)^5) - (5^5/5)) \\
&:= 6 + (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) \\
&:= ((7 \times 77) + 7) \times (((77 + 7)/7) + 7) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 - 8)) + 8)) - ((8 + 8)/8)) \\
&:= (((99 + 9)/9) + 9) \times (((9 + 9)/9)^9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10375 &:= 1 + ((1 + 1) \times ((1 + 1 + 1) \times (1 + ((1 + 11)^{1+1+1})))) \\
&:= 2 + ((2 \times (((2 \times ((2 + 2 + 2)^2))^2) + 2)) + 2/2) \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + 3/3) + 3) \\
&:= 4 + (((4 + 4) \times (((4 + 4)/4 + 4)^4)) - 4/4) + 4) \\
&:= (5 \times ((5 + 5) \times (5 \times 55 - 5))) - 5^5 \\
&:= 6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) + 6/6) \\
&:= 7 + ((7/7 + 7) \times ((7 - 7/7)^{77/7-7})) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 - 8)) + 8)) - 8/8) \\
&:= 9 + (((9 + 9)/9) \times (((9 \times 9) - 9)^{(9+9)/9}) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10376 &:= (1 + 1) \times (1 + ((1 + 1 + 1) \times (1 + ((1 + 11)^{1+1+1})))) \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2))^2) + 2) + 2) \\
&:= 3 \times 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 3/3) \\
&:= 4 + (((4 + 4) \times (((4 + 4)/4 + 4)^4)) + 4) \\
&:= 5/5 + ((5 \times ((5 + 5) \times (5 \times 55 - 5))) - 5^5) \\
&:= ((6 + 6)/6 + 6) \times ((6 \times 6 \times 6) + 6/6) \\
&:= (77777/7) - (7 \times (7 \times (7 + 7) + 7)) \\
&:= 8 + ((8 + 8) \times ((8 \times (88 - 8)) + 8)) \\
&:= (9 - 9/9) \times (((9 + 9) \times ((9 \times 9) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10377 &:= 11 + (((1 + 11)^{1+1+1+1}) / (1 + 1)) - (1 + 1) \\
&:= 2/2 + (2 \times (((2 \times ((2 + 2 + 2)^2))^2) + 2) + 2) \\
&:= 3 \times 3 + ((3 + 3) \times ((3 \times 3 + 3)^3)) \\
&:= 4 + (((4 + 4) \times (((4 + 4)/4 + 4)^4)) + 4/4) + 4) \\
&:= ((5 + 5)/5) + ((5 \times ((5 + 5) \times (5 \times 55 - 5))) - 5^5) \\
&:= 6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) + (6 \times 6 / (6 + 6))) \\
&:= (77 \times (((7 + 7)/7)^7) + 7) - (77/7 + 7) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 - 8)) + 8)) + 8/8) \\
&:= 9 + (9 \times (9 \times (99 + 9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10378 &:= 11 + (((1 + 11)^{1+1+1+1}) / (1 + 1)) - 1) \\
&:= 2 + (2 \times (((2 \times ((2 + 2 + 2)^2))^2) + 2) + 2) \\
&:= 3 \times 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + 3/3) \\
&:= ((44 - 4)/4) + ((4 + 4) \times (((4 + 4)/4 + 4)^4)) \\
&:= (5 \times (5^5 - ((5 - 5/5)^5) + 5 \times 5)) - ((5 + 5)/5) \\
&:= ((66 - 6)/6) + (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) \\
&:= (((7 + 7)/7)^{7+7}) - ((77 \times 77) + 77) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 - 8)) + 8)) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times (9 \times (99 + 9 + 9) + 99)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10379 &:= 11 + (((1 + 11)^{1+1+1+1}) / (1 + 1)) \\
&:= (22/2) + (2 \times ((2 \times ((2 + 2 + 2)^2))^2)) \\
&:= (33/3) + ((3 + 3) \times ((3 \times 3 + 3)^3)) \\
&:= (44/4) + ((4 + 4) \times (((4 + 4)/4 + 4)^4)) \\
&:= (5 \times (5^5 - ((5 - 5/5)^5) + 5 \times 5)) - 5/5 \\
&:= (66/6) + (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) \\
&:= 777 + ((7 \times (7 \times ((7 + 7) \times (7 + 7)))) - ((7 + 7)/7)) \\
&:= 88/8 + ((8 + 8) \times ((8 \times (88 - 8)) + 8)) \\
&:= (99 - ((9 + 9)/9)) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10380 &:= 1 + (11 + (((1 + 11)^{1+1+1+1}) / (1 + 1))) \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2))^2) + 2) + 2) + 2) \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + 3 \times 3) \\
&:= (44 \times (4^4 - (4 \times 4 + 4))) - 4 \\
&:= 5 \times (5^5 - (((5 - 5/5)^5) + 5 \times 5)) \\
&:= 6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) + 6) \\
&:= 777 + ((7 \times (7 \times ((7 + 7) \times (7 + 7)))) - 7/7) \\
&:= ((88 + 8)/8) + ((8 + 8) \times ((8 \times (88 - 8)) + 8)) \\
&:= 9 + (((999/9) \times (9/9 + 99)) - (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10381 &:= 1 + (1 + (11 + (((1 + 11)^{1+1+1+1}) / (1 + 1)))) \\
&:= 2 + ((2 \times ((2 \times ((2 + 2 + 2)^2))^2) + (22/2)) \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + 3 \times 3) + 3/3 \\
&:= 4/4 + ((44 \times (4^4 - (4 \times 4 + 4))) - 4) \\
&:= 5/5 + (5 \times (5^5 - (((5 - 5/5)^5) + 5 \times 5))) \\
&:= 6 + (((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) + 6/6) + 6) \\
&:= 777 + (7 \times (7 \times ((7 + 7) \times (7 + 7)))) \\
&:= 8 + ((88/8) \times ((888 - (8/8 + 8)) + (8 \times 8))) \\
&:= (99999/9) - ((9 \times (9 \times 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10382 &:= 11111 - ((11 - 1 - 1)^{1+1+1}) \\
&:= (22 \times (22^2 - 2)) - 222 \\
&:= (33333/3) - (3^3+3) \\
&:= (44 \times (4^4 - (4 \times 4 + 4))) - ((4 + 4)/4) \\
&:= (5 \times 5^5) + (((5^5 - 5)/(5 + 5)) - 5555) \\
&:= 6 + (((6 + 6)/6 + 6) \times (6 \times 6 \times 6 \times 6 + 6/6)) \\
&:= 7/7 + ((7 \times (7 \times ((7 + 7) \times (7 + 7)))) + 777) \\
&:= (88 \times (((888 - 8)/8) + 8)) - ((8 + 8)/8) \\
&:= (99999/9) - (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10383 &:= (111 \times (1 + 111)) - (1 + ((1 + 1)^{11})) \\
&:= ((222/2)^2) - (((2 \times 22)^2) + 2) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) + 3)) - 3 \\
&:= (44 \times (4^4 - (4 \times 4 + 4))) - 4/4 \\
&:= (5 \times 5^5) + (((5^5 + 5)/(5 + 5)) - 5555) \\
&:= 6 + (((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) + (6 \times 6/(6 + 6))) + 6) \\
&:= 7 \times 7 + (((77777/7) - 777) \\
&:= (88 \times (((888 - 8)/8) + 8)) - 8/8 \\
&:= 9/9 + ((99999/9) - (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10384 &:= (111 \times (1 + 111)) - ((1 + 1)^{11}) \\
&:= 2 \times (2 \times (2 \times (((2 + 2 + 2)^{2+2}) + 2))) \\
&:= 3/3 + (((3 + 3) \times (((3 \times 3 + 3)^3) + 3)) - 3) \\
&:= 44 \times (4^4 - (4 \times 4 + 4)) \\
&:= (55/5 + 5) \times (((5^5 - 5)/5) + 5 \times 5) \\
&:= ((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) + ((6 + 6)/6)) \\
&:= ((77/7) + 77) \times (((77/7) + 7) \\
&:= 88 \times (((888 - 8)/8) + 8) \\
&:= (9 - 9/9) \times (((9 + 9) \times ((9 \times 9) - 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10385 &:= 1 + ((111 \times (1 + 111)) - ((1 + 1)^{11})) \\
&:= ((222/2)^2) - ((2 \times 22)^2) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) + 3)) - 3/3 \\
&:= 4/4 + (44 \times (4^4 - (4 \times 4 + 4))) \\
&:= 5 + (5 \times (5^5 - (((5 - 5/5)^5) + 5 \times 5))) \\
&:= 6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) + (66/6)) \\
&:= ((7 - 77)/7) + (77 \times (((7 + 7)/7)^7) + 7) \\
&:= 8/8 + (88 \times (((888 - 8)/8) + 8)) \\
&:= 9 + ((9 - 9/9) \times (((9 + 9) \times ((9 \times 9) - 9)) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10386 &:= 1 + (1 + ((111 \times (1 + 111)) - ((1 + 1)^{11}))) \\
&:= 2 + (2 \times (2 \times (2 \times (((2 + 2 + 2)^{2+2}) + 2)))) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) + 3) \\
&:= ((4 + 4)/4) + (44 \times (4^4 - (4 \times 4 + 4))) \\
&:= (5/5 + 5) \times (((5555 + 5^5)/5) - 5) \\
&:= 6 + (((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) + 6) + 6) \\
&:= (77/7 + 7) \times ((7 \times (77 + 7)) - (77/7)) \\
&:= ((8 + 8)/8) + (88 \times (((888 - 8)/8) + 8)) \\
&:= 9 + ((9 \times (9 \times (99 + 9 + 9) + 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10387 &:= 1 + (1 + (1 + ((111 \times (1 + 111)) - ((1 + 1)^{11})))) \\
&:= 2 + (((222/2)^2) - ((2 \times 22)^2)) \\
&:= 3/3 + ((3 + 3) \times (((3 \times 3 + 3)^3) + 3)) \\
&:= 4 + ((44 \times (4^4 - (4 \times 4 + 4))) - 4/4) \\
&:= 5^5 + (((555 - 5^5)/5) + ((5/5 + 5)^5)) \\
&:= (6/6 + 6 + 6) \times (((66 \times (6 + 6)) + 6/6) + 6) \\
&:= (77 \times (((7 + 7)/7)^7) + 7) - (7/7 + 7) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 - 8) + 8)) + (88/8)) \\
&:= ((9 - 9/9) + 9) \times (((9 + 9)/9)^9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10388 &:= ((1 + 111) \times (1 + 1 + 1111)) / (1 + 11) \\
&:= 2 \times ((2 \times (2 \times (((2 + 2 + 2)^{2+2}) + 2))) + 2) \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) + 3)) - 3/3) \\
&:= 4 + (44 \times (4^4 - (4 \times 4 + 4))) \\
&:= (5 - 5/5) \times (((5/5 + 5)^5) / (5 - (5 + 5)/5)) + 5) \\
&:= 6 + (((6 + 6)/6 + 6) \times (6 \times 6 \times 6 \times 6 + 6/6)) + 6) \\
&:= (7 + 7) \times ((7 \times (7 \times (7 + 7) + 7)) + 7) \\
&:= (((888 - 8)/8) - 8)^{(8+8)/8} - (8 + 8) \\
&:= (99 - 9/9) \times ((99 - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10389 &:= ((1 + 1)^{11+1+1+1}) + ((1 + 1 + 11)^{1+1+1}) \\
&:= 2 + (((222/2)^2) - ((2 \times 22)^2) + 2) \\
&:= 3 + ((3 + 3) \times (((3 \times 3 + 3)^3) + 3)) \\
&:= ((4^4 + 4) \times (44 - 4)) - (44/4) \\
&:= 5 + ((55/5 + 5) \times (((5^5 - 5)/5) + 5 \times 5)) \\
&:= ((66/6) \times (((6 \times 6/(6 + 6))^6) + 6 \times 6 \times 6)) - 6 \\
&:= 7/7 + ((7 + 7) \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) \\
&:= ((88 - 8) \times (8 \times (8 + 8) + ((8 + 8)/8))) - (88/8) \\
&:= 9/9 + ((99 - 9/9) \times ((99 - ((9 + 9)/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10390 &:= 11 + (11 + (((1 + 11)^{1+1+1+1}) / (1 + 1))) \\
&:= 22 + (2 \times ((2 \times ((2 + 2 + 2)^2))^2)) \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) + 3)) + 3/3) \\
&:= ((4 - 44)/4) + ((4^4 + 4) \times (44 - 4)) \\
&:= (5 + 5) \times (((5 - 5/5)^5 + 5) + 5) + 5) \\
&:= 6 + (((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) + ((6 + 6)/6))) \\
&:= ((7 + 7)/7) + ((7 + 7) \times ((7 \times (7 \times (7 + 7) + 7)) + 7)) \\
&:= 8 + ((88 \times (((888 - 8)/8) + 8)) - ((8 + 8)/8)) \\
&:= (9/9 + 9) \times ((9999/9 - (9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 10391 &:= ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) - (1 + 1 + 11) \\ &:= 22 + ((2 \times ((2 \times ((2 + 2 + 2)^2))^2)) + 2/2) \\ &:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) + 3)) - 3/3) + 3 \\ &:= ((4^4 + 4) \times (44 - 4)) - ((4/4 + 4) + 4) \\ &:= 5/5 + ((5 + 5) \times (((5 - 5/5)^5 + 5) + 5) + 5) \\ &:= ((6 + 6) \times (6 - 66)) + (66666/6) \\ &:= 7 + (((77/7) + 77) \times ((777/7) + 7)) \\ &:= 8 + ((88 \times (((888 - 8)/8) + 8)) - 8/8) \\ &:= 9 + ((99999/9) - (9 \times (9 \times 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10392 &:= ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) - 11 - 1 \\ &:= (22^{2/2+2}) - (2^{2 \times (2+2)}) \\ &:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) + 3)) + 3) \\ &:= ((4^4 + 4) \times (44 - 4)) - (4 + 4) \\ &:= ((5 + 5)/5) + ((5 + 5) \times (((5 - 5/5)^5 + 5) + 5) + 5) \\ &:= ((6 \times 6 + 66)^{(6+6)/6}) - (6 + 6) \\ &:= (77 \times (((7 + 7)/7)^7 + 7)) - ((7 + 7 + 7)/7) \\ &:= 8 + (88 \times (((888 - 8)/8) + 8)) \\ &:= 9 + (((99999/9) - (9 \times (9 \times 9))) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10393 &:= ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) - 11 \\ &:= (((2 \times (2 + 2) + 2)^2) + 2^2) - (22/2) \\ &:= ((3 \times 33 + 3)^{3-3/3}) - (33/3) \\ &:= 4 + (((4^4 + 4) \times (44 - 4)) - 44/4) \\ &:= (5 \times (5^5 - ((5 - 5/5)^5))) - ((555 + 5)/5) \\ &:= ((6 \times 6 + 66)^{(6+6)/6}) - (66/6) \\ &:= (77 \times (((7 + 7)/7)^7 + 7)) - ((7 + 7)/7) \\ &:= 8 + ((88 \times (((888 - 8)/8) + 8)) + 8/8) \\ &:= (((999/9) - 9)^{(9+9)/9}) - (99/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10394 &:= 1 + (((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) - 11) \\ &:= 2 + ((22^{2/2+2}) - (2^{2 \times (2+2)})) \\ &:= 3^3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 3/3) \\ &:= ((4^4 + 4) \times (44 - 4)) - (((4 + 4)/4) + 4) \\ &:= 5^5 + (((((5 - 5/5)^5) - 5) + 5^5) + 5^5) \\ &:= ((6 - 66)/6) + ((6 \times 6 + 66)^{(6+6)/6}) \\ &:= (77 \times (((7 + 7)/7)^7 + 7)) - 7/7 \\ &:= 8 + ((88 \times (((888 - 8)/8) + 8)) + ((8 + 8)/8)) \\ &:= 9 \times 9 + ((99 \times 99) + (((9 + 9)/9)^9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10395 &:= 1 + (1 + (((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) - 11)) \\ &:= (22 - 2/2) \times (22/2 + 22^2) \\ &:= 3 \times (33 \times ((3 \times 33 + 3) + 3)) \\ &:= ((4^4 + 4) \times (44 - 4)) - (4/4 + 4) \\ &:= ((5 \times 5 + 55) \times (5 \times 5 \times 5 + 5)) - 5 \\ &:= (66/6) \times (((6 \times 6/(6 + 6))^6) + 6 \times 6 \times 6) \\ &:= 77 \times (((7 + 7)/7)^7 + 7) \\ &:= ((8 - 8/8) + 8) \times ((8 \times 88) - 88/8) \\ &:= 99 \times ((99 - ((9 + 9 + 9)/9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10396 &:= (1 + (1 + 111)) \times (11 + ((11 - 1 - 1)^{1+1})) \\ &:= (2 \times 22 + 2) \times ((222 + 2) + 2) \\ &:= 3^3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + 3/3) \\ &:= ((4^4 + 4) \times (44 - 4)) - 4 \\ &:= 5/5 + (((5 \times 5 + 55) \times (5 \times 5 \times 5 + 5)) - 5) \\ &:= (6 \times 66) + (((66 - 6)/6)^{6-(6+6)/6}) \\ &:= 7/7 + (77 \times (((7 + 7)/7)^7 + 7)) \\ &:= (((888 - 8)/8) - 8)^{(8+8)/8} - 8 \\ &:= 9 + (((9 - 9/9) + 9) \times (((9 + 9)/9)^9 + 99)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10397 &:= (1111 + ((1 + 1 + 1)^{11-1-1}))/ (1 + 1) \\ &:= 2 + ((22 - 2/2) \times (22/2 + 22^2)) \\ &:= (33/3) + ((3 + 3) \times (((3 \times 3 + 3)^3) + 3)) \\ &:= 4/4 + (((4^4 + 4) \times (44 - 4)) - 4) \\ &:= (((5 + 5)/5)^5 + 5) \times ((5 \times 55 + 5/5) + 5) \\ &:= ((6 \times 6 + 66)^{(6+6)/6}) - (6/6 + 6) \\ &:= ((7 + 7)/7) + (77 \times (((7 + 7)/7)^7 + 7)) \\ &:= 8/8 + (((888 - 8)/8) - 8)^{(8+8)/8} - 8 \\ &:= 9 + ((99 - 9/9) \times ((99 - ((9 + 9)/9)) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10398 &:= 1 + ((1111 + ((1 + 1 + 1)^{11-1-1}))/ (1 + 1)) \\ &:= ((22 + 2 + 2) \times ((22 - 2)^2)) - 2 \\ &:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + 3^3) \\ &:= ((4^4 + 4) \times (44 - 4)) - ((4 + 4)/4) \\ &:= ((5 \times 5 + 55) \times (5 \times 5 \times 5 + 5)) - ((5 + 5)/5) \\ &:= ((6 \times 6 + 66)^{(6+6)/6}) - 6 \\ &:= ((7 + 7 + 7)/7) + (77 \times (((7 + 7)/7)^7 + 7)) \\ &:= ((8 + 8)/8) \times (((88 - 8) \times (8/8 + (8 \times 8))) - 8/8) \\ &:= (999/9) + (9 \times ((9 \times (99 + 9 + 9) + 9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10399 &:= ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) - (1 + 1 + 1 + 1 + 1) \\ &:= ((22 + 2 + 2) \times ((22 - 2)^2)) - 2/2 \\ &:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + 3^3) + 3/3 \\ &:= ((4^4 + 4) \times (44 - 4)) - 4/4 \\ &:= 5^5 + (((5 - 5/5)^5) + 5^5) + 5^5 \\ &:= 6/6 + (((6 \times 6 + 66)^{(6+6)/6}) - 6) \\ &:= (77/7) + ((7 + 7) \times ((7 \times (7 \times (7 + 7) + 7) + 7))) \\ &:= (88888/8) - ((8 \times 88) + 8) \\ &:= 9999 + ((99/9 + 9)^{(9+9)/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10400 &:= (1 + 1) \times ((1 + 1 + 11) \times (((1 + 1) \times (11 - 1))^{1+1})) \\ &:= (22 + 2 + 2) \times ((22 - 2)^2) \\ &:= 33 + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 3/3) \\ &:= (4^4 + 4) \times (44 - 4) \\ &:= (5 \times 5 + 55) \times (5 \times 5 \times 5 + 5) \\ &:= ((6 + 6)/6) + (((6 \times 6 + 66)^{(6+6)/6}) - 6) \\ &:= 7 + ((77 \times (((7 + 7)/7)^7 + 7)) - ((7 + 7)/7)) \\ &:= (88 - 8) \times (8 \times (8 + 8) + ((8 + 8)/8)) \\ &:= 9 + (((99999/9) - (9 \times (9 \times 9))) + 9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10401 &:= ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) - (1 + 1 + 1) \\
&:= 2/2 + ((22 + 2 + 2) \times ((22 - 2)^2)) \\
&:= 33 + ((3 + 3) \times ((3 \times 3 + 3)^3)) \\
&:= 4/4 + ((4^4 + 4) \times (44 - 4)) \\
&:= 5/5 + ((5 \times 5 + 55) \times (5 \times 5 \times 5 + 5)) \\
&:= ((6 \times 6 + 66)^{(6+6)/6}) - (6 \times 6 / (6 + 6)) \\
&:= 7 + ((77 \times (((7 + 7)/7)^7) + 7)) - 7/7 \\
&:= 8/8 + ((88 - 8) \times (8 \times (8 + 8) + ((8 + 8)/8))) \\
&:= 99 + (((9 + 9)/9) + 99) \times ((999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10402 &:= ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) - (1 + 1) \\
&:= (((2 \times (2 + 2) + 2)^2 + 2)^2) - 2 \\
&:= 3/3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + 33) \\
&:= ((4 + 4)/4) + ((4^4 + 4) \times (44 - 4)) \\
&:= ((5 + 5)/5) + ((5 \times 5 + 55) \times (5 \times 5 \times 5 + 5)) \\
&:= ((6 \times 6 + 66)^{(6+6)/6}) - ((6 + 6)/6) \\
&:= 7 + (77 \times (((7 + 7)/7)^7) + 7) \\
&:= ((8 + 8)/8) + ((88 - 8) \times (8 \times (8 + 8) + ((8 + 8)/8))) \\
&:= (9 \times (9 + 9)) + ((99/9 + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10403 &:= ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) - 1 \\
&:= (((2 \times (2 + 2) + 2)^2 + 2)^2) - 2/2 \\
&:= ((3 \times 33 + 3)^{3-3/3}) - 3/3 \\
&:= 4 + (((4^4 + 4) \times (44 - 4)) - 4/4) \\
&:= 5 + (((5 \times 5 + 55) \times (5 \times 5 \times 5 + 5)) - ((5 + 5)/5)) \\
&:= ((6 \times 6 + 66)^{(6+6)/6}) - 6/6 \\
&:= 7 + ((77 \times (((7 + 7)/7)^7) + 7)) + 7/7 \\
&:= 8 + (((8 - 8)/8) + 8) \times ((8 \times 88) - 88/8) \\
&:= (((999/9) - 9)^{(9+9)/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10404 &:= (1 + (1 + ((11 - 1)^{1+1})))^{1+1} \\
&:= (((2 \times (2 + 2) + 2)^2) + 2)^2 \\
&:= (3 \times 33 + 3)^{3-3/3} \\
&:= 4 + ((4^4 + 4) \times (44 - 4)) \\
&:= ((5 \times (5 \times 5 - 5)) + ((5 + 5)/5))^{(5+5)/5} \\
&:= (6 \times 6 + 66)^{(6+6)/6} \\
&:= (((77/7) + 77) + 7) + 7)^{(7+7)/7} \\
&:= (((888 - 8)/8) - 8)^{(8+8)/8} \\
&:= ((999/9) - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10405 &:= 1 + ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) \\
&:= 2/2 + (((2 \times (2 + 2) + 2)^2) + 2)^2 \\
&:= 3/3 + ((3 \times 33 + 3)^{3-3/3}) \\
&:= 4 + (((4^4 + 4) \times (44 - 4)) + 4/4) \\
&:= 5 + ((5 \times 5 + 55) \times (5 \times 5 \times 5 + 5)) \\
&:= 6/6 + ((6 \times 6 + 66)^{(6+6)/6}) \\
&:= ((77 - 7)/7) + (77 \times (((7 + 7)/7)^7) + 7) \\
&:= 8/8 + (((888 - 8)/8) - 8)^{(8+8)/8} \\
&:= 9/9 + (((999/9) - 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10406 &:= 1 + (1 + ((1 + (1 + ((11 - 1)^{1+1})))^{1+1})) \\
&:= 2 + (((2 \times (2 + 2) + 2)^2) + 2)^2 \\
&:= 3 + (((3 \times 33 + 3)^{3-3/3}) - 3/3) \\
&:= 4 + (((4^4 + 4) \times (44 - 4)) + ((4 + 4)/4)) \\
&:= 5 + (((5 \times 5 + 55) \times (5 \times 5 \times 5 + 5)) + 5/5) \\
&:= ((6 + 6)/6) + ((6 \times 6 + 66)^{(6+6)/6}) \\
&:= (77/7) + (77 \times (((7 + 7)/7)^7) + 7) \\
&:= (88/8) \times ((88/8) \times (88 - ((8 + 8)/8))) \\
&:= ((9 + 9)/9) + (((999/9) - 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10407 &:= 1 + (1 + (1 + (1 + ((1 + (1 + ((11 - 1)^{1+1})))^{1+1})))) \\
&:= 2 + (((2 \times (2 + 2) + 2)^2) + 2)^2 + 2/2 \\
&:= 3 + ((3 \times 33 + 3)^{3-3/3}) \\
&:= 4 + (((4^4 + 4) \times (44 - 4)) - 4/4) + 4 \\
&:= 5 + (((5 \times 5 + 55) \times (5 \times 5 \times 5 + 5)) + ((5 + 5)/5)) \\
&:= (6 \times 6 / (6 + 6)) + ((6 \times 6 + 66)^{(6+6)/6}) \\
&:= ((77 + 7)/7) + (77 \times (((7 + 7)/7)^7) + 7) \\
&:= (88888/8) - (8 \times 88) \\
&:= ((9 + 9 + 9)/9) + (((999/9) - 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10408 &:= 1 + (1 + (1 + (1 + (1 + ((1 + (1 + ((11 - 1)^{1+1})))^{1+1})))) \\
&:= 2 + (((2 \times (2 + 2) + 2)^2) + 2)^2 + 2) \\
&:= 3 + (((3 \times 33 + 3)^{3-3/3}) + 3/3) \\
&:= 4 + (((4^4 + 4) \times (44 - 4)) + 4) \\
&:= (5 - 5/5) \times (((5 + 5)/5)^5 - 555) + 5^5 \\
&:= 6 + (((6 \times 6 + 66)^{(6+6)/6}) - ((6 + 6)/6)) \\
&:= 7 + (((77 \times (((7 + 7)/7)^7) + 7)) - 7/7) + 7) \\
&:= (88 \times ((888/8) + 8)) - (8 \times 8) \\
&:= 999 + ((99 - ((9 + 9)/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10409 &:= 1 + (1 + (1 + (1 + (1 + (1 + ((1 + (1 + ((11 - 1)^{1+1})))^{1+1})))))) \\
&:= 2 + (((2 \times (2 + 2) + 2)^2) + 2)^2 + 2/2) + 2) \\
&:= 3 + (((3 \times 33 + 3)^{3-3/3}) - 3/3) + 3) \\
&:= 4 + (((4^4 + 4) \times (44 - 4)) + 4/4) + 4) \\
&:= 5 + (((5 \times (5 \times 5 - 5)) + ((5 + 5)/5))^{(5+5)/5}) \\
&:= 6 + (((6 \times 6 + 66)^{(6+6)/6}) - 6/6) \\
&:= 7 + ((77 \times (((7 + 7)/7)^7) + 7) + 7) \\
&:= 8/8 + ((88 \times ((888/8) + 8)) - (8 \times 8)) \\
&:= 9 + (((99999/9) - (9 \times (9 \times 9))) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10410 &:= (1 + 1) \times (1111 + ((1 + 1) \times (((1 + 1)^{11}) - 1))) \\
&:= 2 + (((2 \times (2 + 2) + 2)^2) + 2)^2 + 2) \\
&:= 3 + (((3 \times 33 + 3)^{3-3/3}) + 3) \\
&:= ((44 - 4)/4) + ((4^4 + 4) \times (44 - 4)) \\
&:= 5 + (((5 \times 5 + 55) \times (5 \times 5 \times 5 + 5)) + 5) \\
&:= 6 + ((6 \times 6 + 66)^{(6+6)/6}) \\
&:= 7 + (((77 \times (((7 + 7)/7)^7) + 7)) + 7/7) + 7) \\
&:= ((8 - 8)/8) + 8) \times (((8 - 88)/8) + (8 \times 88)) \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) - ((999/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10411 &:= ((1+1) \times (1111 + (((1+1)^{11+1}) - 1))) - 1 \\
&:= (22/2) + ((22+2+2) \times ((22-2)^2)) \\
&:= 3 + (((3 \times 33+3)^{3-3/3}) + 3/3) + 3 \\
&:= (44/4) + ((4^4+4) \times (44-4)) \\
&:= (55/5) + ((5 \times 5+55) \times (5 \times 5 \times 5+5)) \\
&:= 6 + (((6 \times 6+66)^{(6+6)/6}) + 6/6) \\
&:= 7 + (((((77/7) + 77) + 7) + 7)^{(7+7)/7}) \\
&:= 8 + (((8-8/8) + 8) \times ((8 \times 88) - 88/8)) + 8 \\
&:= ((99/9+9) \times (((9+9)/9)^9) + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10412 &:= (1+1) \times (1111 + (((1+1)^{11+1}) - 1)) \\
&:= 2 \times (((2 \times ((2+2+2)^2))^2) + 22) \\
&:= 3^3 + (((3+3) \times (((3 \times 3+3)^3) + 3)) - 3/3) \\
&:= 4 + (((4^4+4) \times (44-4) + 4) + 4) \\
&:= ((5+5)/5) \times (((5/5+5)^5) - 5^5) + 555 \\
&:= 6 + (((6 \times 6+66)^{(6+6)/6}) + ((6+6)/6)) \\
&:= (77-7/7) \times (((77/7) + 77) + (7 \times 7)) \\
&:= 8 + (((888-8)/8) - 8)^{(8+8)/8} \\
&:= 99 + ((99 \times 99) + (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10413 &:= ((1+1) \times (1111 + ((1+1)^{11+1}))) - 1 \\
&:= 2/2 + (2 \times (((2 \times ((2+2+2)^2))^2) + 22)) \\
&:= 3^3 + ((3+3) \times (((3 \times 3+3)^3) + 3)) \\
&:= (4-4/4) \times (((4+4)^4) - ((4/4+4)^4)) \\
&:= (((5+5)/5+5) \times ((5^5-55)/5)) - (5 \times 5) \\
&:= 6 + (((6 \times 6+66)^{(6+6)/6}) + (6 \times 6/(6+6))) \\
&:= 7 + ((77 \times (((7+7)/7)^7) + 7) + (77/7)) \\
&:= (8/8+88) \times ((8 \times (8+8)) - 88/8) \\
&:= 9 + (((999/9) - 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10414 &:= (1+1) \times (1111 + ((1+1)^{11+1})) \\
&:= 2222 + (2^{22/2+2}) \\
&:= 3^3 + (((3+3) \times (((3 \times 3+3)^3) + 3)) + 3/3) \\
&:= ((4/4-4) + 44) \times (4^4 - (4+4)/4) \\
&:= ((5-5/5)^5) + ((5+5+5) \times ((5^5+5)/5)) \\
&:= ((66-6)/6) + ((6 \times 6+66)^{(6+6)/6}) \\
&:= 7 + ((77 \times (((7+7)/7)^7) + 7) + ((77+7)/7)) \\
&:= ((8 \times (8+8)) - 8/8) \times (((8+8)/8) - 8) + 88 \\
&:= 9 + (((999/9) - 9)^{(9+9)/9}) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10415 &:= 11 + ((1 + (1 + ((11-1)^{1+1})))^{1+1}) \\
&:= (22/2) + (((2 \times (2+2) + 2)^2) + 2)^2 \\
&:= (33/3) + ((3 \times 33+3)^{3-3/3}) \\
&:= 4 + (((4^4+4) \times (44-4)) + 44/4) \\
&:= 5 \times (5^5 - (((5 \times 5^5) + 5)/(5+5+5))) \\
&:= (66/6) + ((6 \times 6+66)^{(6+6)/6}) \\
&:= 7 + (((77 \times (((7+7)/7)^7) + 7) - 7/7) + 7) + 7 \\
&:= 8 + ((88888/8) - (8 \times 88)) \\
&:= (99/9) + (((999/9) - 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10416 &:= 1 + (11 + ((1 + (1 + ((11-1)^{1+1})))^{1+1})) \\
&:= 2 + ((2^{22/2+2} + 2222)) \\
&:= (333+3) \times ((3^3+3/3) + 3) \\
&:= 4 \times 4 + ((4^4+4) \times (44-4)) \\
&:= (5/5+5) \times ((5555+5^5)/5) \\
&:= 6 + (((6 \times 6+66)^{(6+6)/6}) + 6) \\
&:= 7 + (((77 \times (((7+7)/7)^7) + 7) + 7) + 7) \\
&:= (8+8) \times ((8 \times (88-8)) + (88/8)) \\
&:= ((999+9)/9) \times (((99+9)/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10417 &:= 1 + (1 + (11 + ((1 + (1 + ((11-1)^{1+1})))^{1+1}))) \\
&:= 2 + (((((2 \times (2+2) + 2)^2) + 2)^2) + (22/2)) \\
&:= 3/3 + ((333+3) \times ((3^3+3/3) + 3)) \\
&:= 4 \times 4 + (((4^4+4) \times (44-4)) + 4/4) \\
&:= 5/5 + ((5/5+5) \times ((5555+5^5)/5)) \\
&:= 6 + (((6 \times 6+66)^{(6+6)/6}) + 6/6) + 6 \\
&:= 7 + (((77 \times (((7+7)/7)^7) + 7) + 7/7) + 7) + 7 \\
&:= 8/8 + ((8+8) \times ((8 \times (88-8)) + (88/8))) \\
&:= 9 + (((99 - ((9+9)/9))^{(9+9)/9}) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10418 &:= (1+1) \times (1 + (1 + (1111 + ((1+1)^{11+1})))) \\
&:= 2 + ((2^{22/2+2} + 2222) + 2) \\
&:= 3 + (((3 \times 33+3)^{3-3/3}) + (33/3)) \\
&:= 4 + (((4/4-4) + 44) \times (4^4 - (4+4)/4)) \\
&:= ((5+5) \times (((5 \times 5^5) + 5)/(5+5+5))) - ((5+5)/5) \\
&:= 6 + (((6 \times 6+66)^{(6+6)/6}) + ((6+6)/6) + 6) \\
&:= (((7+7)/7)^7) + (7 \times ((7+7) \times (7 \times (7+7) + 7))) \\
&:= 8 + (((8-8/8) + 8) \times (((8-88)/8) + (8 \times 88))) \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) - ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10419 &:= 1 + ((1+1) \times (1 + (1 + (1111 + ((1+1)^{11+1})))))) \\
&:= 2 + ((((((2 \times (2+2) + 2)^2) + 2)^2) + (22/2)) + 2) \\
&:= 3 \times (((33/3+3)^3) + (3^{3+3})) \\
&:= 4 + (((4^4+4) \times (44-4)) + 44/4) + 4 \\
&:= ((5+5) \times (((5 \times 5^5) + 5)/(5+5+5))) - 5/5 \\
&:= 6 + (((6 \times 6+66)^{(6+6)/6}) + (6 \times 6/(6+6))) + 6 \\
&:= (((7+7+7)/7)^7) + (7 \times ((7+7) \times (77+7))) \\
&:= 88/8 + ((88 \times ((888/8) + 8)) - (8 \times 8)) \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10420 &:= (1+1) \times (1 + (1 + (1 + (1111 + ((1+1)^{11+1})))))) \\
&:= (2^{2+2}) + (((2 \times (2+2) + 2)^2) + 2)^2 \\
&:= 3/3 + (((3+3) \times (((3 \times 3+3)^3) + 3)) + 33) \\
&:= 4 + (((4^4+4) \times (44-4)) + 4 \times 4) \\
&:= (5+5) \times (((5 \times 5^5) + 5)/(5+5+5)) \\
&:= (6-6/6) \times (((6+6)/6)^{66/6}) + (6 \times 6) \\
&:= 7 + (((77 \times (((7+7)/7)^7) + 7) + (77/7)) + 7) \\
&:= 8 + (((888-8)/8) - 8)^{(8+8)/8} + 8 \\
&:= (99/9+9) \times (((9+9)/9)^9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10421 &:= ((1+1) \times (111-1)) + ((1+((11-1)^{1+1}))^{1+1}) \\
&:= 222 + (((2222/22)^2) - 2) \\
&:= 3^{3 \times 3} - (((3 \times (3+3)) + 3)^3) + 3/3 \\
&:= 4 + (((4^4 + 4) \times (44-4)) + 4 \times 4) + 4/4 \\
&:= 5 + ((5/5 + 5) \times ((5555 + 5^5)/5)) \\
&:= 6 + (((6 \times 6 + 66)^{(6+6)/6}) + (66/6)) \\
&:= 7 + (((77 \times (((7+7)/7)^7) + 7)) + ((77+7)/7)) + 7 \\
&:= 8 + ((8/8 + 88) \times ((8 \times (8+8)) - 88/8)) \\
&:= 9 + (((99 \times 99) + ((9+9)/9)^9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10422 &:= (1+1) \times (1111 + ((1+1) \times (1 + (1 + ((1+1)^{11})))))) \\
&:= 22 + ((22+2+2) \times ((22-2)^2)) \\
&:= (3+3) \times (((3 \times 3 + 3)^3) + 3 \times 3) \\
&:= (44/((4+4)/4)) + ((4^4 + 4) \times (44-4)) \\
&:= (5/5 + 5) \times (((5555 + 5^5) + 5)/5) \\
&:= 6 + (((6 \times 6 + 66)^{(6+6)/6}) + 6) + 6 \\
&:= (77/7 + 7) \times ((7 \times (77+7)) - ((7+7)/7 + 7)) \\
&:= 8 + (((8 \times (8+8)) - 8/8) \times (((8+8)/8) - 8) + 88) \\
&:= 9 + (((999/9) - 9)^{(9+9)/9}) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10423 &:= ((1+1) \times 111) + ((1+((11-1)^{1+1}))^{1+1}) \\
&:= 222 + ((2222/22)^2) \\
&:= 3/3 + ((3+3) \times (((3 \times 3 + 3)^3) + 3 \times 3)) \\
&:= (4 \times (4 - (4 \times 44))) + (44444/4) \\
&:= (((5+5)/5) + 5) \times ((5 \times (5 \times (55+5))) - (55/5)) \\
&:= 6 + (((6 \times 6 + 66)^{(6+6)/6}) + 6/6) + 6) + 6 \\
&:= 7 \times ((77 \times (7+7+7)) - (((7+7)/7)^7)) \\
&:= 8 + (((88888/8) - (8 \times 88)) + 8) \\
&:= 9 + (((999/9) - 9)^{(9+9)/9}) + 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10424 &:= ((11+11)^{1+1+1}) - ((1+1) \times (1+111)) \\
&:= (22^{2/2+2}) - (222+2) \\
&:= 3 + ((3^{3 \times 3}) - (((3 \times (3+3)) + 3)^3) + 3/3) \\
&:= 4 + (((4^4 + 4) \times (44-4)) + 4 \times 4) + 4 \\
&:= 5 + (((5+5) \times (((5 \times 5^5) + 5)/(5+5+5))) - 5/5) \\
&:= ((6+6)/6 + 6) \times (((6 \times 6 \times 6 \times 6) + 6/6) + 6) \\
&:= (7/7 + 7) \times (((7-7/7)^{7/7-7}) + 7) \\
&:= 8888 + (8 \times 8 \times (8+8+8)) \\
&:= 9 + (((999/9) - 9)^{(9+9)/9}) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10425 &:= 11 + ((1+1) \times (1111 + ((1+1)^{11+1}))) \\
&:= (22^{2/2+2}) - (222 + 2/2) \\
&:= 3 + ((3+3) \times (((3 \times 3 + 3)^3) + 3 \times 3)) \\
&:= (4-4/4) \times (((4+4)^4) - ((4/4+4)^4)) + 4 \\
&:= 5 + ((5+5) \times (((5 \times 5^5) + 5)/(5+5+5))) \\
&:= 66 + (((666/6 - 6)^{(6+6)/6}) - 666) \\
&:= (77777/7) - (7 \times (7 \times (7+7))) \\
&:= ((8-8/8) + 8) \times ((8 \times 88) - (8/8+8)) \\
&:= 9 + (((999+9)/9) \times (((99+9)/9) + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10426 &:= ((11+11)^{1+1+1}) - ((1+1) \times 111) \\
&:= (22^{2/2+2}) - 222 \\
&:= 3 + (((3+3) \times (((3 \times 3 + 3)^3) + 3 \times 3)) + 3/3) \\
&:= 4 + (((4^4 + 4) \times (44-4)) + (44/((4+4)/4))) \\
&:= ((5/5 + 5)^5) + (5 \times (555 - 5 \times 5)) \\
&:= 6 + ((6-6/6) \times (((6+6)/6)^{66/6}) + (6 \times 6)) \\
&:= ((7+7+7) \times ((7 \times (77-7)) + 7)) - (77/7) \\
&:= ((888/8) \times ((88 - ((8+8)/8)) + 8)) - 8 \\
&:= ((99+9+9)/9) \times (((9 \times (9 \times 9 + 9)) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10427 &:= 1 + (((11+11)^{1+1+1}) - ((1+1) \times 111)) \\
&:= 2/2 + ((22^{2/2+2}) - 222) \\
&:= (33 \times (((3/3 + 3 + 3)^3) - 3^3)) - 3/3 \\
&:= 4 \times 4 + (((4^4 + 4) \times (44-4)) + 44/4) \\
&:= 5 + ((5/5 + 5) \times (((5555 + 5^5) + 5)/5)) \\
&:= 6 + (((6 \times 6 + 66)^{(6+6)/6}) + (66/6)) + 6 \\
&:= ((7-77)/7) + ((7+7+7) \times ((7 \times (77-7)) + 7)) \\
&:= 88/8 + ((8+8) \times ((8 \times (88-8)) + (88/8))) \\
&:= (99 \times (99+9)) - (((9+9)/9)^{9-9/9}) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10428 &:= 11 \times (11 + (((1+1)^{11}) - 1111)) \\
&:= 2 + ((22^{2/2+2}) - 222) \\
&:= 33 \times (((3/3 + 3 + 3)^3) - 3^3) \\
&:= 44 + (44 \times (4^4 - (4 \times 4 + 4))) \\
&:= (5/5 + 5) \times (((5555 + 5^5) + 5) + 5)/5) \\
&:= 66 + ((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) - 6) \\
&:= 77/7 \times (((77+7)/7) \times (((7+7)/7) + 77)) \\
&:= ((88+8)/8) \times (888 - ((88/8) + 8)) \\
&:= 9 + (((99 \times 99) - (999/9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10429 &:= 1 + (11 \times (11 + (((1+1)^{11}) - 1111))) \\
&:= 2 + ((22^{2/2+2}) - 222) + 2/2) \\
&:= ((33 - 33/3)^3) - (((3+3)^3) + 3) \\
&:= 44 + ((44 \times (4^4 - (4 \times 4 + 4))) + 4/4) \\
&:= 5 \times 5 + (((5 \times (5 \times 5 - 5)) + ((5+5)/5))^{(5+5)/5}) \\
&:= ((6+6) \times ((6 \times ((6+6) \times (6+6))) + 6)) - (66/6) \\
&:= ((7+7+7) \times ((7 \times (77-7)) + 7)) - (7/7+7) \\
&:= (((8-8/8) + 8) \times ((8 \times 88) - 8)) - (88/8) \\
&:= 9 + ((99/9+9) \times (((9+9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10430 &:= 1 + (1 + (11 \times (11 + (((1+1)^{11}) - 1111)))) \\
&:= 2 + (((22^{2/2+2}) - 222) + 2) \\
&:= 3^3 + (((3 \times 33 + 3)^{3-3/3}) - 3/3) \\
&:= ((44-4)/4) \times (((4 \times (4^4 + 4)) - 4/4) + 4) \\
&:= 5 \times (5^5 - (((5-5/5)^5 + 5) + 5)) \\
&:= 6 + (((6+6)/6 + 6) \times (((6 \times 6 \times 6 \times 6) + 6/6) + 6)) \\
&:= ((7+7+7) \times ((7 \times (77-7)) + 7)) - 7 \\
&:= (8 \times ((8 \times ((8 \times 8) + 88)) + 88)) - ((8+8)/8) \\
&:= (((9+9)/9)^9) + (9999 - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10431 &:= (1 + 1 + 1) \times (((1 + 1) \times (11 + ((1 + 11)^{1+1+1}))) - 1) \\
&:= 2 + (((22^{2/2+2}) - 222) + 2/2) + 2) \\
&:= 3^3 + ((3 \times 33 + 3)^{3-3/3}) \\
&:= 4^4 + ((4^4 \times (44 - 4)) - ((4^4 + 4)/4)) \\
&:= 5 + ((5 \times (555 - 5 \times 5)) + ((5/5 + 5)^5)) \\
&:= (66 - 6 + 6/6) \times ((666/6 - 6) + 66) \\
&:= 7/7 + (((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) - 7) \\
&:= (8 \times ((8 \times ((8 \times 8) + 88)) + 88)) - 8/8 \\
&:= (9 \times (9 \times 9)) + (99 \times (99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10432 &:= (1 + 1) \times (((1 + 1)^{11+1}) + ((11 - 1) \times (1 + 111))) \\
&:= 2 \times ((2^{2+2}) \times (((2^{2+2}) + 2)^2) + 2) \\
&:= ((33 - 33/3)^3) - ((3 + 3)^3) \\
&:= 4 \times (4 \times (((4 + 4) \times ((4 - 4/4)^4)) + 4)) \\
&:= (55/5 + 5) \times (((5^5 + 5 + 5)/5) + 5 \times 5) \\
&:= (((6 + 6)/6)^6) + (6 \times (6 \times (6 \times (6 + 6 + 6)))) \\
&:= 7 + (((7777/7) - (7 \times (7 \times (7 + 7)))) \\
&:= 8 \times ((8 \times ((8 \times 8) + 88)) + 88) \\
&:= 9/9 + ((99 \times (99 - 9/9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10433 &:= (111 \times (1 + (((1 + 1)^{11-1}) - 1)/11)) - 1 \\
&:= (2 \times ((2 \times 22)^2)) + ((2/2 + 2)^{2 \times (2+2)}) \\
&:= 3/3 + (((33 - 33/3)^3) - ((3 + 3)^3)) \\
&:= 44 + (((4^4 + 4) \times (44 - 4)) - 44/4) \\
&:= (((55 + 5)/5 + 5) \times ((5^5 - 55)/5)) - 5 \\
&:= 66 + ((6 \times (6 \times (6 \times (6 + 6 + 6)))) - 6/6) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) - (77/7)) \\
&:= 8/8 + (8 \times ((8 \times ((8 \times 8) + 88)) + 88)) \\
&:= (9 \times (9 \times 9)) + ((99 \times (99 - 9/9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10434 &:= 111 \times (1 + (((1 + 1)^{11-1}) - 1)/11) \\
&:= 222 \times ((2 \times 22) + 2/2) + 2) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) + (33/3)) \\
&:= (444/4) \times (((444 - 4)/4) - 4 \times 4) \\
&:= (555/5) \times ((5 \times (5 \times 5 - 5)) - (5/5 + 5)) \\
&:= 66 + (6 \times (6 \times (6 \times (6 + 6 + 6)))) \\
&:= (777/7) \times (((77 - 7)/7) + 77) + 7) \\
&:= (888/8) \times ((88 - ((8 + 8)/8)) + 8) \\
&:= (999/9) \times (((9 - 99)/(9 + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10435 &:= 1 + (111 \times (1 + (((1 + 1)^{11-1}) - 1)/11)) \\
&:= 2/2 + (222 \times ((2 \times 22) + 2/2) + 2) \\
&:= 3 + (((33 - 33/3)^3) - ((3 + 3)^3)) \\
&:= ((44 - 4) \times ((4/4 + 4^4) + 4)) - (4/4 + 4) \\
&:= ((5 + 5) \times (((5 - 5/5)^5) + 5 \times 5)) - 55 \\
&:= 66 + ((6 \times (6 \times (6 \times (6 + 6 + 6)))) + 6/6) \\
&:= ((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) - ((7 + 7)/7) \\
&:= 8/8 + ((888/8) \times ((88 - ((8 + 8)/8)) + 8)) \\
&:= 9999 + (((9 \times (9 \times 99)) - 9)/(9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10436 &:= (1 + 1) \times (11 + (1111 + ((1 + 1)^{11+1}))) \\
&:= 2 + (222 \times (((2 \times 22) + 2/2) + 2)) \\
&:= 33 + (((3 \times 33 + 3)^{3-3/3}) - 3/3) \\
&:= ((44 - 4) \times ((4/4 + 4^4) + 4)) - 4 \\
&:= 5 + (((5 \times (555 - 5 \times 5)) + ((5/5 + 5)^5)) + 5) \\
&:= 66 + ((6 \times (6 \times (6 \times (6 + 6 + 6)))) + ((6 + 6)/6)) \\
&:= ((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) - 7/7 \\
&:= 8 + (((88 + 8)/8) \times (888 - ((88/8) + 8))) \\
&:= (99 \times (99 + 9)) - (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10437 &:= 1 + ((1 + 1) \times (11 + (1111 + ((1 + 1)^{11+1})))) \\
&:= (22/2) + ((22^{2/2+2}) - 222) \\
&:= 33 + ((3 \times 33 + 3)^{3-3/3}) \\
&:= 4/4 + (((44 - 4) \times ((4/4 + 4^4) + 4)) - 4) \\
&:= 5 + ((55/5 + 5) \times (((5^5 + 5 + 5)/5) + 5 \times 5)) \\
&:= ((66 - 6/6) + 6) \times ((666/6) + (6 \times 6)) \\
&:= (7 + 7 + 7) \times ((7 \times (77 - 7)) + 7) \\
&:= 8 + (((8 - 8/8) + 8) \times ((8 \times 88) - 8)) - 88/8 \\
&:= (9 \times (999 + (9 \times (9 + 9)))) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10438 &:= (1 + 1) \times (1 + (11 + (1111 + ((1 + 1)^{11+1})))) \\
&:= 2 + (222 \times (((2 \times 22) + 2/2) + 2)) + 2) \\
&:= 3 + (((33 - 33/3)^3) - ((3 + 3)^3)) + 3) \\
&:= ((4 \times 4) + 4/4) \times (((4/4 + 4^4) - 44/4) \\
&:= ((55 + 5)/5 + 5) \times ((5^5 - 55)/5) \\
&:= ((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6)) - ((6 + 6)/6) \\
&:= 7/7 + ((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) \\
&:= (((8 - 8/8) + 8) \times ((8 \times 88) - 8)) - ((8 + 8)/8) \\
&:= (9 \times (999 + (9 \times (9 + 9)))) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10439 &:= 11 \times (1 + (11 + (((1 + 1)^{11}) - 1111))) \\
&:= (22 \times (22^2 - (2 + 2))) - ((22/2)^2) \\
&:= ((3 \times (3 + 3))^3) + (((3^3 - 3)^3) - 3)/3) \\
&:= ((44 - 4) \times ((4/4 + 4^4) + 4)) - 4/4 \\
&:= (55/5) \times (((5 - 5/5)^5) - (5 \times (5 + 5 + 5))) \\
&:= (66666/6) - (666 + 6) \\
&:= ((7 + 7)/7) + ((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) \\
&:= (((8 - 8/8) + 8) \times ((8 \times 88) - 8)) - 8/8 \\
&:= (9 \times (999 + (9 \times (9 + 9)))) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10440 &:= (11 - 1) \times (((1 + 1) \times (11 - 1)) + ((1 + 1)^{11-1})) \\
&:= ((2^{2+2}) + 2) \times (((22 + 2)^2) + 2) + 2) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) + 3 \times 3) + 3) \\
&:= (44 - 4) \times ((4/4 + 4^4) + 4) \\
&:= (5 + 5) \times (((5 - 5/5)^5) - 5) + 5 \times 5) \\
&:= (6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6) \\
&:= ((7 + 7)/7 + 7) \times (((7777/7) + (7 \times 7)) \\
&:= ((8 - 8/8) + 8) \times ((8 \times 88) - 8) \\
&:= (9 \times (999 + (9 \times (9 + 9)))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10441 &:= 1 + ((11 - 1) \times (((1 + 1) \times (11 - 1)) + ((1 + 1)^{11-1}))) \\
&:= ((22 - 2/2)^2) + ((2 \times (2 + 2) + 2)^{2+2}) \\
&:= ((3 \times (3 + 3))^3) + (((3^3 - 3)^3) + 3)/3 \\
&:= 4/4 + ((44 - 4) \times ((4/4 + 4^4) + 4)) \\
&:= 5/5 + ((5 + 5) \times (((5 - 5/5)^5) - 5) + 5 \times 5) \\
&:= 6/6 + ((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6)) \\
&:= (((7 + 7)/7)^{7+7}) - (((77 \times 77) + 7) + 7) \\
&:= 8/8 + (((8 - 8/8) + 8) \times ((8 \times 88) - 8)) \\
&:= 9/9 + ((9 \times (999 + (9 \times (9 + 9)))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10442 &:= 11111 - ((1 + 1 + 1) \times (1 + ((1 + 1) \times 111))) \\
&:= 2 + (((2^{2+2}) + 2) \times (((22 + 2)^2) + 2) + 2) \\
&:= 3 + (((((3^3 - 3)^3) - 3)/3) + ((3 \times (3 + 3))^3)) \\
&:= 44 + (((4^4 + 4) \times (44 - 4)) - ((4 + 4)/4)) \\
&:= ((5 + 5)/5) + ((5 + 5) \times (((5 - 5/5)^5) - 5) + 5 \times 5) \\
&:= ((6 + 6)/6) + ((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6)) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) - ((7 + 7)/7)) \\
&:= 8 + ((888/8) \times ((88 - ((8 + 8)/8)) + 8)) \\
&:= ((9 + 9)/9) + ((9 \times (999 + (9 \times (9 + 9)))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10443 &:= (1 + 1 + 1) \times (((((11^{1+1}) - 1)/(1 + 1)) - 1)^{1+1}) \\
&:= (2/2 + 2) \times (((2 \times (22 + 2)) + (22/2))^2) \\
&:= 3 + (((3^3 - 3)^3)/3) + ((3 \times (3 + 3))^3) \\
&:= 44 + (((4^4 + 4) \times (44 - 4)) - 4/4) \\
&:= 5 + (((55 + 5)/5 + 5) \times ((5^5 - 55)/5)) \\
&:= (66 - (6/6 + 6)) \times (666/6 + 66) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) - 7/7) \\
&:= 88/8 + (8 \times ((8 \times (8 \times 8) + 88)) + 88) \\
&:= 9 + ((999/9) \times (((9 - 99)/(9 + 9)) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10444 &:= ((111 \times (11 + ((1 + 1)^{11-1}))) - 1)/11 \\
&:= (2 \times 222) + ((2 \times (2 + 2) + 2)^{2+2}) \\
&:= 3 + (((((3^3 - 3)^3) + 3)/3) + ((3 \times (3 + 3))^3)) \\
&:= 44 + ((4^4 + 4) \times (44 - 4)) \\
&:= (5 - 5/5) \times (((555 - 5^5)/5) + 5^5) \\
&:= (66666/6) - (666 + 6/6) \\
&:= 7 + ((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) \\
&:= ((88 + 8)/8) + (8 \times ((8 \times (8 \times 8) + 88)) + 88) \\
&:= 9999 + (((9 \times (9 \times 99)) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10445 &:= 11111 - ((1 + 1) \times ((1 + 1 + 1) \times 111)) \\
&:= 2 + (((2222/22)^2) + (22^2/2)) \\
&:= ((3^3 - 3/3)^3) - ((33 \times (3 + 3))^3) + 3 \\
&:= 44 + (((4^4 + 4) \times (44 - 4)) + 4/4) \\
&:= 5 + ((5 + 5) \times (((5 - 5/5)^5) - 5) + 5 \times 5) \\
&:= (66666/6) - 666 \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) + 7/7) \\
&:= 88 + (((8 + 8) \times ((8 \times (88 - 8)) + 8)) - 88/8) \\
&:= 9999 + (((9 \times (9 \times 99)) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10446 &:= 11111 - (((11^{1+1+1}) - 1)/(1 + 1)) \\
&:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + (2 \times 222)) \\
&:= (3 \times 3^3) + (((3 + 3) \times ((3 \times 3 + 3)^3)) - 3) \\
&:= 44 + (((4^4 + 4) \times (44 - 4)) + ((4 + 4)/4)) \\
&:= (5/5 + 5) \times (((5555 + 5^5)/5) + 5) \\
&:= 6 + ((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6)) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) + (7 + 7)/7) \\
&:= 8 + (((8 - 8/8) + 8) \times ((8 \times 88) - 8)) - ((8 + 8)/8) \\
&:= (9 \times (999 + (9 \times (9 + 9)))) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10447 &:= 1 + (11111 - (((11^{1+1+1}) - 1)/(1 + 1))) \\
&:= (22^{2/2+2}) - (((22 - 2)^2) + 2)/2 \\
&:= ((3^3 + 3/3) + 3) \times ((333 + 3/3) + 3) \\
&:= 4 + (((4^4 + 4) \times (44 - 4)) - 4/4) + 44 \\
&:= (5 \times 5^5) - (((5 + 5)/5)^{55/5} + 5^5) + 5 \\
&:= 6 + (((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6)) + 6/6) \\
&:= 7 + (((7 + 7)/7 + 7) \times ((7777/7) + (7 \times 7))) \\
&:= 8 + (((8 - 8/8) + 8) \times ((8 \times 88) - 8)) - 8/8 \\
&:= (9 \times (999 + (9 \times (9 + 9)))) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10448 &:= (1 + 1) \times ((11 \times (1 + ((11 + 11)^{1+1}))) - 111) \\
&:= 22 + ((22^{2/2+2}) - 222) \\
&:= ((3^3 - 3/3)^3) - (33 \times ((3 + 3)^3)) \\
&:= 4 + (((4^4 + 4) \times (44 - 4)) + 44) \\
&:= 5 + (((55 + 5)/5 + 5) \times ((5^5 - 55)/5) + 5) \\
&:= 6 + (((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6)) + ((6 + 6)/6)) \\
&:= (((7 + 7)/7)^{7+7}) - ((77 \times 77) + 7) \\
&:= 8 + (((8 - 8/8) + 8) \times ((8 \times 88) - 8)) \\
&:= (9 \times (999 + (9 \times (9 + 9)))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10449 &:= (111^{1+1}) - ((1 + 1 + 11) \times ((1 + 11)^{1+1})) \\
&:= ((2 \times 22) - 2/2) \times ((22^2 + 2)/2) \\
&:= 3 \times ((3 \times (33 \times 33)) + ((3 + 3)^3)) \\
&:= ((4 - 4/4)^4) \times ((4 \times (4 \times (4 + 4))) + 4/4) \\
&:= ((5 - (5 + 5)/5)^5) \times (55 - ((55 + 5)/5)) \\
&:= 6 + ((66 - (6/6 + 6)) \times (666/6 + 66)) \\
&:= 7/7 + (((7 + 7)/7)^{7+7}) - ((77 \times 77) + 7) \\
&:= (8 \times (8 + 8) + 8/8) \times ((8/8 - 8) + 88) \\
&:= 9 \times (999 + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10450 &:= 11 \times (((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}) - 11) \\
&:= 22 \times ((22^2 - (22/2)) + 2) \\
&:= ((33 - 33/3)^3) - (33 \times (3 + 3)) \\
&:= ((44 - 4)/4) \times (((4 \times (4^4 + 4)) + 4/4) + 4) \\
&:= (5 + 5) \times (55 \times ((5 \times 5) - (5/5 + 5))) \\
&:= ((66 - 6)/6) \times ((6666/6) - 66) \\
&:= 77/7 \times ((77 \times (7 + 7)) - (((7 + 7)/7)^7)) \\
&:= ((88 - 8/8) + 8) \times ((888 - 8)/8) \\
&:= 9/9 + (9 \times (999 + (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10451 &:= 1 + (11 \times (((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}) - 11)) \\
&:= 2 + (((2 \times 22) - 2/2) \times ((22^2 + 2)/2)) \\
&:= 3 + (((3^3 - 3/3)^3) - (33 \times ((3 + 3)^3))) \\
&:= ((4^4 - 4/4) \times ((4/4 - 4) + 44)) - 4 \\
&:= 5^5 + ((555/5) \times ((55/5) + 55)) \\
&:= 6 + (66666/6 - 666) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times (77 - 7)) + 7)) + 7) \\
&:= 88/8 + (((8 - 8/8) + 8) \times ((8 \times 88) - 8)) \\
&:= ((9 + 9)/9) + (9 \times (999 + (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10452 &:= (1 + 11) \times (1111 - ((1 + 1) \times ((11^{1+1}) - 1))) \\
&:= (22 + 2 + 2) \times (((22 - 2)^2) + 2) \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + (3 \times 3^3)) \\
&:= 4^4 + ((4^4 \times (44 - 4)) - 44) \\
&:= ((5 + 5)/5) \times ((5^5 - ((5 - 5/5)^5)) + 5^5) \\
&:= 6 + (((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6)) + 6) \\
&:= (7/7 + 77) \times (((7/7 + 77) + (7 \times 7)) + 7) \\
&:= ((88 + 8)/8) \times (888 - (8/8 + 8 + 8)) \\
&:= ((9 + 9 + 9)/9) + (9 \times (999 + (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10453 &:= 1 + ((1 + 11) \times (1111 - ((1 + 1) \times ((11^{1+1}) - 1)))) \\
&:= 2/2 + ((22 + 2 + 2) \times (((22 - 2)^2) + 2)) \\
&:= 3 + (((33 - 33/3)^3) - (33 \times (3 + 3))) \\
&:= 4^4 + (((44/4)^4) - 4444) \\
&:= (5 \times (5^5 - ((5 - 5/5)^5 + 5))) - ((5 + 5)/5) \\
&:= 6 + (((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6)) + 6/6) + 6 \\
&:= ((7/7 + 77) \times (((7 + 7)/7)^7 + 7)) - 77 \\
&:= (88 \times ((888/8) + 8)) - ((88/8) + 8) \\
&:= 9 + (((9 \times (9 \times 99)) - 9)/(9 + 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10454 &:= ((111 - (1 + 1 + 1))^{1+1}) - (11 \times (111 - 1)) \\
&:= 2 + ((22 + 2 + 2) \times (((22 - 2)^2) + 2)) \\
&:= (33333/3) - (3 \times (((3 + 3)^3) + 3)) \\
&:= ((4^4 - 4/4) \times ((4/4 - 4) + 44)) - 4/4 \\
&:= (5 \times (5^5 - ((5 - 5/5)^5 + 5))) - 5/5 \\
&:= 6 + (((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6)) + ((6 + 6)/6)) + 6 \\
&:= (((7 + 7)/7)^{7+7}) - ((77 \times 77) + 7/7) \\
&:= 88 + (((8 + 8) \times ((8 \times (88 - 8)) + 8)) - ((8 + 8)/8)) \\
&:= (9 \times (9 - (9 \times 9))) + ((9999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10455 &:= ((11 - 1) \times (1 + (1 + ((1 + 111)^{1+1}))))/(1 + 11) \\
&:= 2 + (((22 + 2 + 2) \times (((22 - 2)^2) + 2)) + 2/2) \\
&:= 33 + ((3 + 3) \times (((3 \times 3 + 3)^3) + 3 \times 3)) \\
&:= (4^4 - 4/4) \times ((4/4 - 4) + 44) \\
&:= 5 \times (5^5 - ((5 - 5/5)^5 + 5) + 5) \\
&:= (6 - 6/6) \times ((66 \times (6 \times 6 - 6)) + 666/6) \\
&:= (((7 + 7)/7)^{7+7}) - (77 \times 77) \\
&:= ((8 - 8/8) + 8) \times (((8 \times 88) - 8) + 8/8) \\
&:= 9 + ((9 \times (999 + (9 \times (9 + 9)))) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10456 &:= ((1 + 1)^{1+1+1}) \times (((1 + 11) \times (111 - (1 + 1))) - 1) \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2))^2) + 2 \times 22) \\
&:= ((3 \times 3) - 3/3) \times (((33/3)^3) - 3^3) + 3 \\
&:= 4^4 + ((44 - 4) \times (4^4 - 4/4)) \\
&:= 5/5 + (5 \times (5^5 - ((5 - 5/5)^5 + 5) + 5)) \\
&:= ((6 + 6)/6 + 6) \times ((6 \times 6 \times 6) + (66/6)) \\
&:= 7/7 + (((7 + 7)/7)^{7+7}) - (77 \times 77) \\
&:= 88 + ((8 + 8) \times ((8 \times (88 - 8)) + 8)) \\
&:= 9 + ((9 \times (999 + (9 \times (9 + 9)))) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10457 &:= (((1 + ((1 + 11)^{1+1}))^{1+1}) - 111)/(1 + 1) \\
&:= (2^{2 \times (2+2)}) + ((2222/22)^2) \\
&:= 333 + ((3 \times ((3 \times 3 + 3 + 3)^3)) - 3/3) \\
&:= 4 + (((44/4)^4) - 4444) + 4^4 \\
&:= 5 + (((5 + 5)/5) \times ((5^5 - ((5 - 5/5)^5)) + 5^5)) \\
&:= 6 + ((66666/6 - 666) + 6) \\
&:= ((77 + 7 \times 7) \times ((77 - 7/7) + 7)) - 7/7 \\
&:= 8 + ((8 \times (8 + 8) + 8/8) \times ((8/8 - 8) + 88)) \\
&:= 9 + ((9 \times (999 + (9 \times (9 + 9)))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10458 &:= 1 + (((1 + ((1 + 11)^{1+1}))^{1+1}) - 111)/(1 + 1) \\
&:= 2 + (2 \times (((2 \times ((2 + 2 + 2)^2))^2) + 2 \times 22)) \\
&:= 333 + (3 \times ((3 \times 3 + 3 + 3)^3)) \\
&:= ((4^4 - 4)/4) \times (((4 - 44)/4) + (4 \times 44)) \\
&:= (((5 + 5)/5) + 5) \times ((5 \times (5 \times (55 + 5))) - (5/5 + 5)) \\
&:= 6 + (((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6)) + 6) + 6 \\
&:= (77 + 7 \times 7) \times ((77 - 7/7) + 7) \\
&:= 8 + (((88 - 8/8) + 8) \times ((888 - 8)/8)) \\
&:= 9 + (9 \times (999 + (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10459 &:= ((11 - 1) \times (11 + (11 + ((1 + 111)^{1+1})))) - 1 \\
&:= 2 + (((2222/22)^2) + (2^{2 \times (2+2)})) \\
&:= 3^3 + (((33 - 33/3)^3) - ((3 + 3)^3)) \\
&:= 4 + ((4^4 - 4/4) \times ((4/4 - 4) + 44)) \\
&:= 5 + ((5 \times (5^5 - ((5 - 5/5)^5 + 5) + 5))) - 5/5 \\
&:= 66 + (((6 \times 6 + 66)^{(6+6)/6}) - (66/6)) \\
&:= 7/7 + ((77 + 7 \times 7) \times ((77 - 7/7) + 7)) \\
&:= 8 + (((8 - 8/8) + 8) \times ((8 \times 88) - 8)) + (88/8) \\
&:= 9 + ((9 \times (999 + (9 \times (9 + 9)))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10460 &:= (11 - 1) \times (11 + (11 + ((1 + 111)^{1+1}))) \\
&:= 2 \times (((22 + 2) \times (222 - 2 - 2)) - 2) \\
&:= (3 - 3/3) \times (((3^3 \times 3)/3) - ((33/3)^3)) \\
&:= (4/4 + 4) \times ((4^4 \times (4 + 4)) + 44) \\
&:= 5 + (5 \times (5^5 - ((5 - 5/5)^5 + 5) + 5)) \\
&:= ((66 - 6)/6) \times (((6666 + 6)/6) - 66) \\
&:= 7 + (((7/7 + 77) \times (((7 + 7)/7)^7 + 7)) - 77) \\
&:= (((88 + 8)/8) + 8) \times ((8 \times 8 \times 8) + (88/8)) \\
&:= (99/9) + (9 \times (999 + (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10461 &:= 1 + ((11 - 1) \times (11 + (11 + ((1 + 1)^{11-1}))) \\
&:= (22 \times (22^2 - (2 \times (2 + 2)))) - (22/2) \\
&:= 3333 + (33 \times ((3 + 3)^3)) \\
&:= 4/4 + ((4/4 + 4) \times ((4^4 \times (4 + 4)) + 44)) \\
&:= (55555/5) - ((5^5/5) + 5 \times 5) \\
&:= (66/6) \times (((6 \times 6/(6 + 6))^6) + 6 \times 6 \times 6) + 6) \\
&:= 7 + (((7 + 7)/7)^{7+7}) - ((77 \times 77) + 7/7)) \\
&:= (88/8) \times ((888 - 8/8) + (8 \times 8)) \\
&:= ((99 + 9)/9) + (9 \times (999 + (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10462 &:= ((1 + 1) \times 111) + ((11 - 1) \times ((1 + 1)^{11-1})) \\
&:= (2 \times ((22 + 2) \times (222 - 2 - 2))) - 2 \\
&:= 3/3 + ((33 \times ((3 + 3)^3)) + 3333) \\
&:= ((4^4 - (4 + 4))/4) + ((4^4 + 4) \times (44 - 4)) \\
&:= ((5 + 5)/5) \times (((5^5 - ((5 - 5/5)^5)) + 5^5) + 5) \\
&:= 6 + (((6 + 6)/6 + 6) \times ((6 \times 6 \times 6 \times 6) + (66/6))) \\
&:= 7 + (((7 + 7)/7)^{7+7}) - (77 \times 77)) \\
&:= ((8 - 88)/8) + (88 \times ((888/8) + 8)) \\
&:= (9 \times (9 - (9 \times 9))) + ((9/9 + 9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10463 &:= 1 + (((1 + 1) \times 111) + ((11 - 1) \times ((1 + 1)^{11-1}))) \\
&:= (2 \times ((22 + 2) \times (222 - 2 - 2))) - 2/2 \\
&:= (33333/3) - (3 \times ((3 + 3)^3)) \\
&:= (44 \times (4^4 - 4)) - ((4/4 + 4)^4) \\
&:= 5 \times 5 + (((55 + 5)/5 + 5) \times ((5^5 - 55)/5)) \\
&:= (66666/6) - (6 \times (6 \times (6 + 6 + 6))) \\
&:= 7 + (((7 + 7)/7)^{7+7}) - (77 \times 77)) + 7/7) \\
&:= (88 \times ((888/8) + 8)) - (8/8 + 8) \\
&:= (9 \times (9 - (9 \times 9))) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10464 &:= (1 + 11) \times (((1 + 1)^{1+1+1}) \times (111 - (1 + 1))) \\
&:= 2 \times ((22 + 2) \times (222 - 2 - 2)) \\
&:= (33 - 3/3) \times (333 - (3 + 3)) \\
&:= (4 \times (4 \times 4)) + ((4^4 + 4) \times (44 - 4)) \\
&:= (55/5 + 5) \times (((5^5 - 5)/5) + 5 \times 5) + 5) \\
&:= 66 + (((6 \times 6 + 66)^{(6+6)/6}) - 6) \\
&:= 7 + (((77 + 7 \times 7) \times ((77 - 7/7) + 7)) - 7/7) \\
&:= (88 \times ((888/8) + 8)) - 8 \\
&:= ((99 + 9)/9) \times ((9 \times 99) - ((9/9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10465 &:= 1 + ((1 + 11) \times (((1 + 1)^{1+1+1}) \times (111 - (1 + 1)))) \\
&:= 2/2 + (2 \times ((22 + 2) \times (222 - 2 - 2))) \\
&:= 3/3 + ((33 - 3/3) \times (333 - (3 + 3))) \\
&:= ((4^4 + 4)/4) + ((4^4 + 4) \times (44 - 4)) \\
&:= (5 \times 55) + ((5 + 5) \times (((5 - 5/5)^5) - 5)) \\
&:= 66 + (((6 \times 6 + 66)^{(6+6)/6}) - 6) + 6/6) \\
&:= 7 + ((77 + 7 \times 7) \times ((77 - 7/7) + 7)) \\
&:= 8/8 + ((88 \times ((888/8) + 8)) - 8) \\
&:= ((99 + 9) \times (99 - ((9 + 9)/9))) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10466 &:= 1 + (1 + ((1 + 11) \times (((1 + 1)^{1+1+1}) \times (111 - (1 + 1)))) \\
&:= 2 + (2 \times ((22 + 2) \times (222 - 2 - 2))) \\
&:= 3 + ((33333/3) - (3 \times ((3 + 3)^3))) \\
&:= ((4^4 + 4 + 4)/4) + ((4^4 + 4) \times (44 - 4)) \\
&:= 5 + ((55555/5) - ((5^5/5) + 5 \times 5)) \\
&:= 6 + (((66 - 6)/6) \times (((6666 + 6)/6) - 66)) \\
&:= 7 + (((77 + 7 \times 7) \times ((77 - 7/7) + 7)) + 7/7) \\
&:= ((8 + 8)/8) + ((88 \times ((888/8) + 8)) - 8) \\
&:= 9 + (((9 \times (999 + (9 \times (9 + 9)))) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10467 &:= 111 + ((1 + 11) \times (((1 + 11)^{1+1+1})/(1 + 1)) - 1) \\
&:= 2 + ((2 \times ((22 + 2) \times (222 - 2 - 2))) + 2/2) \\
&:= (3 \times 33) + ((3 + 3) \times ((3 \times 3 + 3)^3)) \\
&:= 4 + ((44 \times (4^4 - 4)) - ((4/4 + 4)^4)) \\
&:= (((55 + 5)/5 + 5) \times (((5^5 + 5)/5) - (5 + 5))) - 5 \\
&:= 666 + (((666/6) - (6 + 6))^{(6+6)/6}) \\
&:= (((7 + 7)/7)^7) + (7 \times (((7 + 7) \times (7 \times (7 + 7) + 7)) + 7)) \\
&:= (8/8 + 8) \times (((8 + 8) \times ((8 \times 8) + 8)) + (88/8)) \\
&:= 9 + ((9 \times (999 + (9 \times (9 + 9)))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10468 &:= 111 + (((1 + 11)^{1+1+1+1})/(1 + 1)) - 11 \\
&:= 2 \times ((22 + 2) \times (222 - 2 - 2)) + 2) \\
&:= 3/3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + (3 \times 33)) \\
&:= (44 \times (4^4 - (4 + 4))) - 444 \\
&:= 5^5 + (((5 + 5)/5 + 5) \times (((5 - 5/5)^5) + 5 \times 5)) \\
&:= (((6 + 6)/6)^6) + ((6 \times 6 + 66)^{(6+6)/6}) \\
&:= 777 + ((77 \times (77 + 7 \times 7)) - (77/7)) \\
&:= 8 \times 8 + (((888 - 8)/8) - 8)^{(8+8)/8} \\
&:= 9 + (((9 \times (999 + (9 \times (9 + 9)))) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10469 &:= ((11 - 1) \times (1 + (11 + (11 + ((1 + 1)^{11-1})))) - 1 \\
&:= (22 \times (22^2 + 2)) - (222 + 2/2) \\
&:= 3 + (((33333/3) - (3 \times ((3 + 3)^3))) + 3) \\
&:= 4 + (((4^4 + 4) \times (44 - 4)) + ((4^4 + 4)/4)) \\
&:= ((5 \times 5) - (5/5 + 5)) \times (((5 + 5) \times 55) + 5/5) \\
&:= 66 + (((6 \times 6 + 66)^{(6+6)/6}) - 6/6) \\
&:= 7 + (((7 + 7)/7)^{7+7}) - (77 \times 77)) + 7) \\
&:= 8 + ((88/8) \times ((888 - 8/8) + (8 \times 8))) \\
&:= 9 + ((9 \times (999 + (9 \times (9 + 9)))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10470 &:= (11 - 1) \times (1 + (11 + (11 + ((1 + 1)^{11-1})))) \\
&:= (22 \times (22^2 + 2)) - 222 \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + (3 \times 33)) \\
&:= ((44 - 4)/4) \times ((4444 - 4^4)/4) \\
&:= (5 + 5) \times (((5 \times 5^5) + 5)/(5 + 5 + 5)) + 5) \\
&:= 66 + ((6 \times 6 + 66)^{(6+6)/6}) \\
&:= 77 + ((77 \times (((7 + 7)/7)^7) + 7)) - ((7 + 7)/7)) \\
&:= (88 \times ((888/8) + 8)) - ((8 + 8)/8) \\
&:= 9 + ((9 \times (999 + (9 \times (9 + 9)))) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10471 &:= 1 + ((11 - 1) \times (1 + (11 + (11 + ((1 + 1)^{11-1})))))) \\
&:= (22 \times (22^2 - (2 \times (2 + 2)))) - 2/2 \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + (3 \times 33)) + 3/3 \\
&:= 4 + (((44 \times (4^4 - 4)) - ((4/4 + 4)^4)) + 4) \\
&:= ((5 - 5^5)/5) + (((5 \times 5 - 5) \times 555) - 5) \\
&:= 66 + (((6 \times 6 + 66)^{(6+6)/6}) + 6/6) \\
&:= 77 + ((77 \times (((7 + 7)/7)^7) + 7)) - 7/7 \\
&:= (88 \times ((888/8) + 8)) - 8/8 \\
&:= ((99 + 99)/9) + (9 \times (999 + (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10472 &:= 11 \times (((1 + 1)^{1+1+1}) \times ((11^{1+1}) - (1 + 1))) \\
&:= 22 \times (22^2 - (2 \times (2 + 2))) \\
&:= (33/3) \times ((3^3 + 3/3) \times (3/3 + 33)) \\
&:= 44 \times (4^4 - (((4 + 4)/4) + 4 \times 4)) \\
&:= ((55 + 5)/5 + 5) \times (((5^5 + 5)/5) - (5 + 5)) \\
&:= 66 + (((6 \times 6 + 66)^{(6+6)/6}) + ((6 + 6)/6)) \\
&:= 77 + (77 \times (((7 + 7)/7)^7) + 7) \\
&:= 88 \times ((888/8) + 8) \\
&:= 9 + ((99999/9) + (9 \times (9 - (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10473 &:= 1 + (11 \times (((1 + 1)^{1+1+1}) \times ((11^{1+1}) - (1 + 1)))) \\
&:= 2/2 + (22 \times (22^2 - (2 \times (2 + 2)))) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) + (3 \times (3 + 3)))) - 3 \\
&:= 4/4 + (44 \times (4^4 - (((4 + 4)/4) + 4 \times 4)) \\
&:= ((5 \times 5 - 5) \times 555) - ((5^5 + 5 + 5)/5) \\
&:= (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - (666/6) \\
&:= 7/7 + ((77 \times (((7 + 7)/7)^7) + 7)) + 77 \\
&:= 8/8 + (88 \times ((888/8) + 8)) \\
&:= ((99 + 9) \times (99 - 9/9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10474 &:= ((1 + 111)^{1+1}) - (11 + (11 + ((1 + 1)^{11}))) \\
&:= 2 + (22 \times (22^2 - (2 \times (2 + 2)))) \\
&:= (33 \times 333) - (((3 - 3/3)^{3 \times 3}) + 3) \\
&:= 4 + (((44 - 4)/4) \times ((4444 - 4^4)/4)) \\
&:= ((5 \times 5 - 5) \times 555) - ((5^5 + 5)/5) \\
&:= 6 + (((6 \times 6 + 66)^{(6+6)/6}) + (((6 + 6)/6)^6)) \\
&:= (7 \times (7 - (7 \times (7 + 7)))) + (77777/7) \\
&:= ((8 + 8)/8) + (88 \times ((888/8) + 8)) \\
&:= ((99 + 9) \times (99 - ((9 + 9)/9))) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10475 &:= 1 + (((1 + 111)^{1+1}) - (11 + (11 + ((1 + 1)^{11})))) \\
&:= 2 + ((22 \times (22^2 - (2 \times (2 + 2)))) + 2/2) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) + (3 \times (3 + 3)))) - 3/3 \\
&:= (44 + 4^4)/4 + ((4^4 + 4) \times (44 - 4)) \\
&:= 5 \times (((55 + 5) \times ((5 \times 5 + 5) + 5)) - 5) \\
&:= (6 \times ((6 \times (6 \times (6 \times 6 - 6))) + 666)) - 6/6 \\
&:= ((77/7 + 7) + 7) \times ((7 \times 7 \times 7 - 7/7) + 77) \\
&:= 88/8 + ((88 \times ((888/8) + 8)) - 8) \\
&:= ((99 + 9) \times (99 - ((9 + 9)/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10476 &:= (1 + 11) \times (1 + (((1 + 1)^{1+1+1}) \times (111 - (1 + 1)))) \\
&:= 2 + ((22 \times (22^2 - (2 \times (2 + 2)))) + 2) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) + (3 \times (3 + 3))) \\
&:= 4 + (44 \times (4^4 - (((4 + 4)/4) + 4 \times 4)) \\
&:= ((5 - 5^5)/5) + ((5 \times 5 - 5) \times 555) \\
&:= 6 \times ((6 \times (6 \times (6 \times 6 - 6))) + 666) \\
&:= (77/7 + 7) \times ((7 \times (77 + 7)) - 7) + 7/7 \\
&:= (8 \times 8/(8 + 8)) + (88 \times ((888/8) + 8)) \\
&:= (99 + 9) \times (99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10477 &:= 111 + (((1 + 11)^{1+1+1+1})/(1 + 1)) - (1 + 1) \\
&:= (22^{2/2+2}) - (((22/2) + 2)^2) + 2 \\
&:= (33 \times 333) - ((3 - 3/3)^{3 \times 3}) \\
&:= ((44/4)^4) - ((4 \times (4 \times (4^4 + 4))) + 4) \\
&:= (((5 - 5^5) + 5)/5) + ((5 \times 5 - 5) \times 555) \\
&:= ((6 - 6/6)^6) - (66 \times ((66 + 6) + 6)) \\
&:= 777 + ((77 \times (77 + 7 \times 7)) - ((7 + 7)/7)) \\
&:= 8 + (((88/8) \times ((888 - 8/8) + (8 \times 8))) + 8) \\
&:= 9/9 + ((99 + 9) \times (99 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10478 &:= 111 + (((1 + 11)^{1+1+1+1})/(1 + 1)) - 1 \\
&:= ((2^{2+2+2}) - 2) \times (((22/2) + 2)^2) \\
&:= ((333 - 3)/3) + ((3 + 3) \times ((3 \times 3 + 3)^3)) \\
&:= 4/4 + (((44/4)^4) - ((4 \times (4 \times (4^4 + 4))) + 4)) \\
&:= (5 \times (5^5 - ((5 - 5/5)^5 + 5))) - ((5 + 5)/5) \\
&:= 6/6 + (((6 - 6/6)^6) - (66 \times ((66 + 6) + 6))) \\
&:= 777 + ((77 \times (77 + 7 \times 7)) - 7/7) \\
&:= 8 + ((88 \times ((888/8) + 8)) - ((8 + 8)/8)) \\
&:= ((9 + 9)/9) + ((99 + 9) \times (99 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10479 &:= 111 + (((1 + 11)^{1+1+1+1})/(1 + 1)) \\
&:= (22^{2/2+2}) - (((22/2) + 2)^2) \\
&:= 3 + ((3 + 3) \times (((3 \times 3 + 3)^3) + (3 \times (3 + 3)))) \\
&:= (44 \times (4^4 - 4 \times 4)) - ((4 - 4/4)^4) \\
&:= (5 \times (5^5 - ((5 - 5/5)^5 + 5))) - 5/5 \\
&:= (666/6) + (6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) \\
&:= 777 + (77 \times (77 + 7 \times 7)) \\
&:= 8 + ((88 \times ((888/8) + 8)) - 8/8) \\
&:= (999/9) + (9 \times (9 \times (99 + 9 + 9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10480 &:= 1 + (111 + (((1 + 11)^{1+1+1+1})/(1 + 1))) \\
&:= 2 \times (2 \times ((22 \times (((22/2)^2) - 2)) + 2)) \\
&:= 3 + ((33 \times 333) - ((3 - 3/3)^{3 \times 3})) \\
&:= 4 \times ((4 \times (4 \times ((4 \times (44 - 4)) + 4))) - 4) \\
&:= 5 \times (5^5 - ((5 - 5/5)^5 + 5)) \\
&:= (((66 - 6)/6) + 6) \times (666 - 66/6) \\
&:= 7/7 + ((77 \times (77 + 7 \times 7)) + 777) \\
&:= 8 + (88 \times ((888/8) + 8)) \\
&:= ((9 \times 9) - 9/9) \times (((999 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 10481 &:= 1 + (1 + (111 + (((1 + 11)^{1+1+1+1})/(1 + 1)))) \\ &:= 2 + ((22^{2/2+2}) - (((22/2) + 2)^2)) \\ &:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + ((333 - 3)/3)) \\ &:= ((44/4)^4) - (4 \times (4 \times (4^4 + 4))) \\ &:= 5/5 + (5 \times (5^5 - ((5 - 5/5)^5 + 5))) \\ &:= 6 \times 6 + (66666/6 - 666) \\ &:= ((7/7 + 77) \times (((7 + 7)/7)^7 + 7)) - (7 \times 7) \\ &:= 8 + ((88 \times ((888/8) + 8)) + 8/8) \\ &:= 99 + ((99999/9) - (9 \times (9 \times 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10482 &:= (11 \times 111) + ((11 + (11 - 1))^{1+1+1}) \\ &:= 22^2 + (((2 \times (2 + 2) + 2)^{2+2}) - 2) \\ &:= ((3^3 - 3)^3) - (3333 + 3 \times 3) \\ &:= 4/4 + (((44/4)^4) - (4 \times (4 \times (4^4 + 4)))) \\ &:= ((5 + 5)/5) + (5 \times (5^5 - ((5 - 5/5)^5 + 5))) \\ &:= 6 + (6 \times ((6 \times (6 \times (6 \times 6 - 6))) + 666)) \\ &:= (((7 + 7)/7)^7) \times ((77 - ((7 + 7)/7) + 7)) - (7 + 7) \\ &:= 8 + ((88 \times ((888/8) + 8)) + ((8 + 8)/8)) \\ &:= (99 \times (99 + 9)) - ((999/9) + 99) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10483 &:= 1 + ((11 \times 111) + ((11 + (11 - 1))^{1+1+1})) \\ &:= (22 \times (22^2 - 2)) - ((22/2)^2) \\ &:= ((33 - 33/3)^3) - (((3 + 3) \times 3^3) + 3) \\ &:= 4 + ((44 \times (4^4 - 4 \times 4)) - ((4 - 4/4)^4)) \\ &:= ((5 - (5 + 5)/5)^5) + ((5 + 5) \times ((5 - 5/5)^5)) \\ &:= 6 + (((6 - 6/6)^6) - (66 \times ((66 + 6) + 6))) \\ &:= 7 + ((77/7 + 7) \times (((7 \times (77 + 7)) - 7) + 7/7)) \\ &:= 88/8 + (88 \times ((888/8) + 8)) \\ &:= (99/9) \times ((9 \times (99 + 9)) - ((9/9 + 9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10484 &:= ((11 + 11)^{1+1}) + ((11 - 1)^{1+1+1+1}) \\ &:= 22^2 + ((2 \times (2 + 2) + 2)^{2+2}) \\ &:= ((33/3)^3) + (3^3 \times (333 + 3 + 3)) \\ &:= 4 + (((4^4 \times (44 - 4)) - 4 \times 4) + 4^4) \\ &:= 5 + ((5 \times (5^5 - ((5 - 5/5)^5 + 5))) - 5/5) \\ &:= (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) - (((6 + 6)/6)^6) \\ &:= ((7 + 7) \times 777) - ((7 \times (7 \times 7 + 7)) + (7 + 7)/7) \\ &:= ((88 + 8)/8) + (88 \times ((888/8) + 8)) \\ &:= 9 + (((99 + 9) \times (99 - ((9 + 9)/9))) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10485 &:= ((1 + 111)^{1+1}) - (11 + ((1 + 1)^{11})) \\ &:= 2 + ((22 \times (22^2 - 2)) - ((22/2)^2)) \\ &:= 3 \times (3333 + ((3 + 3) \times 3^3)) \\ &:= 4 + (((44/4)^4) - (4 \times (4 \times (4^4 + 4)))) \\ &:= 5 + (5 \times (5^5 - ((5 - 5/5)^5 + 5))) \\ &:= 6 + ((6 \times (6 \times (6 \times (6 \times 6 + 6 + 6)))) + 666/6) \\ &:= ((7/7 + 7) + 7) \times (777 - (7/7 + 77)) \\ &:= (88 \times ((8 \times (8 + 8)) - 8)) - ((88/8) + (8 \times 8)) \\ &:= 9 + ((99 + 9) \times (99 - ((9 + 9)/9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10486 &:= 1 + (((1 + 111)^{1+1}) - (11 + ((1 + 1)^{11}))) \\ &:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + 22^2) \\ &:= ((33 - 33/3)^3) - ((3 + 3) \times 3^3) \\ &:= (44444/4) - ((4/4 + 4)^4) \\ &:= (55555/5) - (5^5/5) \\ &:= 6 + (((66 - 6)/6) + 6) \times (666 - 66/6) \\ &:= 7 \times ((7 \times (((7 + 7) \times (7 + 7)) + 7)) + 77) \\ &:= 8 + (((88 \times ((888/8) + 8)) - ((8 + 8)/8)) + 8) \\ &:= (99 - 9/9) \times ((99 - 9/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10487 &:= 1 + (1 + (((1 + 111)^{1+1}) - (11 + ((1 + 1)^{11})))) \\ &:= 2 + (((22 \times (22^2 - 2)) - ((22/2)^2)) + 2) \\ &:= ((3^3 - 3)^3) - ((3333 + 3/3) + 3) \\ &:= 4^4 + ((4^4 \times (44 - 4)) - ((4/4 + 4) + 4)) \\ &:= ((5 - 5^5)/5) + (55555/5) \\ &:= 6 + ((66666/6 - 666) + (6 \times 6)) \\ &:= 7/7 + (7 \times ((7 \times (((7 + 7) \times (7 + 7)) + 7)) + 77)) \\ &:= 8 + (((88 \times ((888/8) + 8)) - 8/8) + 8) \\ &:= 9/9 + ((99 - 9/9) \times ((99 - 9/9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10488 &:= (1 + 11) \times (11 + (((1 + 11)^{1+1+1})/(1 + 1)) - 1) \\ &:= 2 \times (2 \times (((22 - 2)^2) + 2222)) \\ &:= ((3^3 - 3)^3) - (3333 + 3) \\ &:= 4^4 + ((4^4 \times (44 - 4)) - (4 + 4)) \\ &:= (((5 - 5^5) + 5)/5) + (55555/5) \\ &:= 6 + ((6 \times ((6 \times (6 \times (6 \times 6 - 6))) + 666)) + 6) \\ &:= 7 + (((7/7 + 77) \times (((7 + 7)/7)^7 + 7)) - (7 \times 7)) \\ &:= 8 + ((88 \times ((888/8) + 8)) + 8) \\ &:= ((99 + 9)/9) \times (((9 \times 99) - (9 + 9)) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10489 &:= (11^{1+1}) + (((1 + 11)^{1+1+1+1})/(1 + 1)) \\ &:= ((22/2)^2) + (2 \times ((2 \times (2 + 2 + 2)^2)^2)) \\ &:= 3 + (((33 - 33/3)^3) - ((3 + 3) \times 3^3)) \\ &:= ((4 \times 4) + 4/4) \times (((4/4 + 4)^4) - (4 + 4)) \\ &:= ((5 + 5) \times (((5 - 5/5)^5) + 5 \times 5)) - 5/5 \\ &:= 6 + (((6 - 6/6)^6) - (66 \times ((66 + 6) + 6))) + 6 \\ &:= (((7 + 7)/7)^7) \times ((77 - ((7 + 7)/7) + 7)) - 7 \\ &:= 8 + (((88 \times ((888/8) + 8)) + 8/8) + 8) \\ &:= 9 + (((9 \times 9) - 9/9) \times (((999 + 99)/9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10490 &:= 1 + ((11^{1+1}) + (((1 + 11)^{1+1+1+1})/(1 + 1))) \\ &:= 2 + (2 \times (2 \times (((22 - 2)^2) + 2222))) \\ &:= ((3^3 - 3)^3) - (3333 + 3/3) \\ &:= 4 + ((44444/4) - ((4/4 + 4)^4)) \\ &:= (5 + 5) \times (((5 - 5/5)^5) + 5 \times 5) \\ &:= 6 + ((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) - (((6 + 6)/6)^6)) \\ &:= (77/7) + ((77 \times (77 + 7 \times 7)) + 777) \\ &:= 8 + (((88 \times ((888/8) + 8)) + ((8 + 8)/8)) + 8) \\ &:= 9 + (((99999/9) - (9 \times (9 \times 9))) + 99) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10491 &:= (11 \times 1111) - (1 + (1 + ((1 + 11)^{1+1+1})) \\
&:= (22 \times (22^2 - 2)) - ((222/2) + 2) \\
&:= ((3^3 - 3)^3) - 3333 \\
&:= 4^4 + ((4^4 \times (44 - 4)) - (4/4 + 4)) \\
&:= 5 + ((55555/5) - (5^5/5)) \\
&:= (6 \times 66) + ((666666/66) - 6) \\
&:= 7 + (((7 + 7) \times 777) - ((7 \times (7 \times 7 + 7)) + ((7 + 7)/7))) \\
&:= 8 + ((88 \times ((888/8) + 8)) + (88/8)) \\
&:= 9 + ((99 \times (99 + 9)) - ((999/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10492 &:= (11 \times 1111) - (1 + ((1 + 11)^{1+1+1})) \\
&:= ((2 \times 22) - 2/2) \times ((22^2/2) + 2) \\
&:= 3/3 + (((3^3 - 3)^3) - 3333) \\
&:= 4^4 + ((4^4 \times (44 - 4)) - 4) \\
&:= 5 + (55555/5 + ((5 - 5^5)/5)) \\
&:= (((((6 + 6)/6)^6) - 6) \times ((6 \times (6 \times 6 - 6)) + 6/6)) - 6 \\
&:= 7 + (((7/7 + 7) \times (777 - (7/7 + 7))) \\
&:= 88 + (((888 - 8)/8) - 8)^{(8+8)/8} \\
&:= (99 \times ((99 - ((9 + 9)/9)) + 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10493 &:= (11 \times 1111) - ((1 + 11)^{1+1+1}) \\
&:= (22 \times (22^2 - 2)) - (222/2) \\
&:= 3 + (((3^3 - 3)^3) - (3333 + 3/3)) \\
&:= 4/4 + (((4^4 \times (44 - 4)) - 4) + 4^4) \\
&:= 5^5 + (((55 + 5)/5) \times ((5^5 - 55)/5)) \\
&:= (6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) - (6/6 + 6 + 6)) \\
&:= 7 + (7 \times ((7 \times (((7 + 7) \times (7 + 7)) + 7)) + 77)) \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) - ((88/8) + (8 \times 8))) \\
&:= (((9 + 9)/9)^9) + (9999 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10494 &:= ((1 + 111)^{1+1}) - (1 + (1 + ((1 + 1)^{11}))) \\
&:= 22 + (22 \times (22^2 - (2 \times (2 + 2)))) \\
&:= 3 + (((3^3 - 3)^3) - 3333) \\
&:= 4^4 + ((4^4 \times (44 - 4)) - ((4 + 4)/4)) \\
&:= (5 \times (5^5 - ((5 - 5/5)^5))) - (55/5) \\
&:= 66 \times (((666/6) + (6 \times 6)) + 6) + 6 \\
&:= ((7 \times (7 + 7)) + 7/7) \times (((7 \times (7 + 7)) + 7/7) + 7) \\
&:= (88/8) \times ((888 + ((8 + 8)/8)) + (8 \times 8)) \\
&:= 99 \times ((99 - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10495 &:= ((1 + 111)^{1+1}) - (1 + ((1 + 1)^{11})) \\
&:= 2 + ((22 \times (22^2 - 2)) - (222/2)) \\
&:= 3 + (((3^3 - 3)^3) - 3333) + 3/3 \\
&:= 4^4 + ((4^4 \times (44 - 4)) - 4/4) \\
&:= 5 + ((5 + 5) \times (((5 - 5/5)^5) + 5 \times 5)) \\
&:= 6/6 + (66 \times (((666/6) + (6 \times 6)) + 6) + 6) \\
&:= (77777/7) - ((7 \times 77) + 77) \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - (8/8 + (8 \times 8)) \\
&:= 9 + ((99 - 9/9) \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10496 &:= ((1 + 111)^{1+1}) - ((1 + 1)^{11}) \\
&:= 2 \times (2 \times ((2^{22/2}) + (22 + 2)^2)) \\
&:= (33 - 3/3) \times ((333 - (3 + 3)) + 3/3) \\
&:= 4^4 + (4^4 \times (44 - 4)) \\
&:= (5 \times 555) + (((5/5 + 5)^5) - 55) \\
&:= (((6 + 6)/6)^6) \times (((6 + 6)/6)^{6/6+6}) + (6 \times 6) \\
&:= (((7 + 7)/7)^7) \times ((77 - ((7 + 7)/7)) + 7) \\
&:= 8 \times ((88 \times (8 + 8)) - (88 + 8)) \\
&:= ((9 + 9)/9) + (99 \times ((99 - ((9 + 9)/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10497 &:= 1 + (((1 + 111)^{1+1}) - ((1 + 1)^{11})) \\
&:= 2 + (((22 \times (22^2 - 2)) - (222/2)) + 2) \\
&:= 3 + (((3^3 - 3)^3) - 3333) + 3 \\
&:= 4/4 + ((4^4 \times (44 - 4)) + 4^4) \\
&:= ((55 - 5^5)/5) + (55555/5) \\
&:= (6 \times 66) + 666666/66 \\
&:= 7/7 + (((7 + 7)/7)^7) \times ((77 - ((7 + 7)/7)) + 7) \\
&:= 8/8 + (8 \times ((88 \times (8 + 8)) - (88 + 8))) \\
&:= 9 + (((99 + 9)/9) \times ((9 \times 99) - (9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10498 &:= 1 + (1 + (((1 + 111)^{1+1}) - ((1 + 1)^{11}))) \\
&:= 2 + ((2^{22/2+2} + ((2 \times (22 + 2))^2)) \\
&:= ((3^3 - 3/3) + 3) \times (((33 \times 33) - 3)/3) \\
&:= 4^4 + ((4^4 \times (44 - 4)) + ((4 + 4)/4)) \\
&:= (5 \times (5^5 - ((5 - 5/5)^5))) - ((5 + 5)/5) + 5 \\
&:= (((6 + 6)/6)^6) - 6 \times ((6 \times (6 \times 6 - 6)) + 6/6) \\
&:= 777 + (((7 + 7)/7)^7) \times ((77 - 7/7) - 7) \\
&:= ((8 + 8)/8) + (8 \times ((88 \times (8 + 8)) - (88 + 8))) \\
&:= 9999 + (((9 \times 999) - 9)/9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10499 &:= 1 + (1 + (1 + (((1 + 111)^{1+1}) - ((1 + 1)^{11})))) \\
&:= ((2 - 22) \times ((2 - ((22 + 2/2)^2)) + 2)) - 2/2 \\
&:= (((3 \times 3^3) + 3) \times (((3 - 3/3) + 3)^3)) - 3/3 \\
&:= 4 + (((4^4 \times (44 - 4)) - 4/4) + 4^4) \\
&:= (5 \times (5^5 - ((5 - 5/5)^5))) - (5/5 + 5) \\
&:= (66666/6) - (6 \times (6 \times 6 + 66)) \\
&:= ((77 + 7) \times (((777/7) + 7) + 7)) - 7/7 \\
&:= 8 + (((88 \times ((888/8) + 8)) + (88/8)) + 8) \\
&:= 9999 + (((9 \times 999) + 9)/9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10500 &:= (1 + 11) \times (11 + (((1 + 11)^{1+1+1})/(1 + 1))) \\
&:= (2 - 22) \times ((2 - ((22 + 2/2)^2)) + 2) \\
&:= ((3 \times 3^3) + 3) \times (((3 - 3/3) + 3)^3) \\
&:= 4 + ((4^4 \times (44 - 4)) + 4^4) \\
&:= 5 \times ((55 + 5) \times ((5 \times 5 + 5) + 5)) \\
&:= (6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + (66/6)) \\
&:= (77 + 7) \times (((777/7) + 7) + 7) \\
&:= ((8 - 8/8) + 8) \times ((8 \times 88) - (8 \times 8/(8 + 8))) \\
&:= (((9 + 9)/9)^9) + (9999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10501 &:= 11111 - (((11 \times 111) - 1)/(1 + 1)) \\
&:= 22 + ((22^{2/2+2}) - (((22/2) + 2)^2)) \\
&:= 3/3 + (((3 \times 3^3) + 3) \times (((3 - 3/3) + 3)^3)) \\
&:= ((44/4)^4) - (((4 + 4)^4) + 44) \\
&:= 5/5 + (5 \times ((55 + 5) \times ((5 \times 5 + 5) + 5))) \\
&:= 6/6 + ((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + (66/6))) \\
&:= 7/7 + ((77 + 7) \times (((777/7) + 7) + 7)) \\
&:= 88 + ((8/8 + 88) \times ((8 \times (8 + 8)) - 88/8)) \\
&:= 9 \times 9 + ((99/9 + 9) \times (((9 + 9)/9)^9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10502 &:= ((1 + ((1 + ((1 + 11)^{1+1}))^{1+1}))/ (1 + 1)) - 11 \\
&:= 2 + ((2 - 22) \times ((2 - ((22 + 2/2)^2)) + 2)) \\
&:= (33/3) + (((3^3 - 3)^3) - 3333) \\
&:= 4 + (((4^4 \times (44 - 4)) + ((4 + 4)/4)) + 4^4) \\
&:= ((5 + 5)/5) + (5 \times ((55 + 5) \times ((5 \times 5 + 5) + 5))) \\
&:= (66 - (6/6 + 6)) \times (((666 + 6)/6) + 66) \\
&:= ((777/7) + 7) \times (((77 + 7)/7) + 77) \\
&:= (8/8 + 88) \times (((888 - 8)/8) + 8) \\
&:= (((9 + 9)/9)^9) + (9999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10503 &:= ((11 + 11)^{1+1+1}) - (1 + ((1 + 11)^{1+1})) \\
&:= 2222 + (((2 \times 2 \times 22 + 2/2) + 2)^2) \\
&:= 3 + (((3 \times 3^3) + 3) \times (((3 - 3/3) + 3)^3)) \\
&:= 4 + (((4^4 \times (44 - 4)) - 4/4) + 4^4) + 4 \\
&:= (5 \times (5^5 - ((5 - 5/5)^5))) - ((5 + 5)/5) \\
&:= 6 + ((666666/66) + (6 \times 66)) \\
&:= 7 + (((7 + 7)/7)^7) \times ((77 - ((7 + 7)/7)) + 7) \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) - (8/8 + (8 \times 8))) \\
&:= 9 + (99 \times ((99 - ((9 + 9)/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10504 &:= ((11 + 11)^{1+1+1}) - ((1 + 11)^{1+1}) \\
&:= (22 + 2 + 2) \times (((22 - 2)^2) + 2) + 2 \\
&:= ((3 \times 3) - 3/3) \times (((33/3)^3) - (3 \times (3 + 3))) \\
&:= 4 + (((4^4 \times (44 - 4)) + 4^4) + 4) \\
&:= (5 \times (5^5 - ((5 - 5/5)^5))) - 5/5 \\
&:= 6 + (((((6 + 6)/6)^6) - 6) \times ((6 \times (6 \times 6 - 6)) + 6/6)) \\
&:= 7 \times 7 + (((7 + 7)/7)^{7+7}) - (77 \times 77) \\
&:= 8 + (8 \times ((88 \times (8 + 8)) - (88 + 8))) \\
&:= 9 + (((99 - 9/9) \times ((99 - 9/9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10505 &:= 1 + (((11 + 11)^{1+1+1}) - ((1 + 11)^{1+1})) \\
&:= (22/2) \times ((2 \times 22^2) - (22/2 + 2)) \\
&:= (33/3) \times ((33 \times 3^3) + ((3/3 + 3)^3)) \\
&:= 4 + (((44/4)^4) - (((4 + 4)^4) + 44)) \\
&:= 5 \times (5^5 - ((5 - 5/5)^5)) \\
&:= 6 + (66666/6 - (6 \times (6 \times 6 + 66))) \\
&:= 777 + (((7 + 7)/7)^7) \times (77 - 7/7) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) - (88 + 8))) + 8/8) \\
&:= (99/9) + (99 \times ((99 - ((9 + 9)/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10506 &:= 11 + (((1 + 111)^{1+1}) - (1 + ((1 + 1)^{11}))) \\
&:= 2 + ((22 + 2 + 2) \times (((22 - 2)^2) + 2) + 2) \\
&:= (3/3 + 33) \times ((3 \times (3 \times 33 + 3)) + 3) \\
&:= 4^4 + ((4^4 \times (44 - 4)) + ((44 - 4)/4)) \\
&:= 5/5 + (5 \times (5^5 - ((5 - 5/5)^5))) \\
&:= 66 + ((6 + 6) \times ((6 \times ((6 + 6) \times (6 + 6))) + 6)) \\
&:= (777/7) + (77 \times (((7 + 7)/7)^7) + 7) \\
&:= ((888/8) - 8) \times (((888 - 8)/8) - 8) \\
&:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10507 &:= 11 + (((1 + 111)^{1+1}) - ((1 + 1)^{11})) \\
&:= 2 + ((22/2) \times ((2 \times 22^2) - (22/2 + 2)) \\
&:= 3 + (((33 - 33/3)^3) + ((3 + 3) \times (3 - 3^3))) \\
&:= 4^4 + ((4^4 \times (44 - 4)) + 44/4) \\
&:= ((5 + 5)/5) + (5 \times (5^5 - ((5 - 5/5)^5))) \\
&:= (6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) - (66/6)) \\
&:= ((77 + 7) \times (77 + 7 \times 7)) - 77 \\
&:= 88/8 + (8 \times ((88 \times (8 + 8)) - (88 + 8))) \\
&:= 9 + (((9 \times 999) - 9)/(9 + 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10508 &:= 1 + (11 + (((1 + 111)^{1+1}) - ((1 + 1)^{11}))) \\
&:= 2 \times (((22 + 2) \times (222 - 2 - 2)) + 22) \\
&:= (3 \times 3333) + (((3 - 3/3)^{3 \times 3}) - 3) \\
&:= 4 + (((4^4 \times (44 - 4)) + 4^4) + 4) + 4 \\
&:= 5 + ((5 \times (5^5 - ((5 - 5/5)^5))) - ((5 + 5)/5)) \\
&:= (6 - ((6 + 6)/6)) \times ((6 \times ((6 \times (66 + 6)) + 6)) - 6/6) \\
&:= 7/7 + (((77 + 7) \times (77 + 7 \times 7)) - 77) \\
&:= 8 + (((8 - 8/8) + 8) \times ((8 \times 88) - (8 \times 8/(8 + 8)))) \\
&:= 9 + (((9 \times 999) + 9)/(9 + 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10509 &:= (1 + (1 + 111)) \times (((1 + 1)^{11-1}) - 1)/11 \\
&:= ((222/2) + 2) \times ((2 \times (2 \times 22 + 2)) + 2/2) \\
&:= ((3^3 + 3/3) + 3) \times (333 + 3 + 3) \\
&:= 4 + (((44/4)^4) - (((4 + 4)^4) + 44)) + 4 \\
&:= 5 + ((5 \times (5^5 - ((5 - 5/5)^5))) - 5/5) \\
&:= (666/6) + (((6 \times 6 + 66)^{(6+6)/6}) - 6) \\
&:= 7 + (((777/7) + 7) \times (((77 + 7)/7) + 77)) \\
&:= ((88/8) \times (((88 \times 88) - 8)/8)) - (8 \times (8 + 8)) \\
&:= (((9 + 9)/9)^9) + (9999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10510 &:= (((1 + ((1 + 11)^{1+1}))^{1+1}) - 1)/(1 + 1) - (1 + 1) \\
&:= ((22 + 2) \times ((2 \times (222 - 2) - 2)) - 2) \\
&:= 3/3 + (((3^3 + 3/3) + 3) \times (333 + 3 + 3)) \\
&:= ((44 - 4)/4) \times ((4 \times (4^4 + 4)) + 44/4) \\
&:= 5 + (5 \times (5^5 - ((5 - 5/5)^5))) \\
&:= ((6 + 6)/6) \times (((6 + 6) \times ((6 \times (66 + 6)) + 6)) - 6/6) \\
&:= 7 + (((7 + 7)/7)^7) \times ((77 - ((7 + 7)/7)) + 7) + 7 \\
&:= 8 + ((8/8 + 88) \times (((888 - 8)/8) + 8)) \\
&:= (((9 + 9)/9)^9) + (9999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10511 &:= (((1 + ((1 + 11)^{1+1}))^{1+1}) - 1) / (1 + 1) - 1 \\
&:= ((22 + 2) \times ((2 \times (222 - 2)) - 2)) - 2/2 \\
&:= (3 \times 3333) + ((3 - 3/3)^{3 \times 3}) \\
&:= 444/4 + ((4^4 + 4) \times (44 - 4)) \\
&:= 5 + ((5 \times (5^5 - ((5 - 5/5)^5))) + 5/5) \\
&:= 66 + (66666/6 - 666) \\
&:= 7 + (((((7 + 7)/7)^{7+7}) - (77 \times 77)) + (7 \times 7)) \\
&:= (8 \times 8 \times 8) + ((8/8 + 8) \times (8888/8)) \\
&:= (((9 + 9)/9)^9) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10512 &:= (((1 + ((1 + 11)^{1+1}))^{1+1}) - 1) / (1 + 1) \\
&:= (22 + 2) \times ((2 \times (222 - 2)) - 2) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) - 3) + 3^3 \\
&:= 4 \times ((4 \times (4 \times ((4 \times (44 - 4)) + 4))) + 4) \\
&:= 5 + ((5 \times (5^5 - ((5 - 5/5)^5))) + ((5 + 5)/5)) \\
&:= 6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - (6 + 6)) \\
&:= 7 + (((((7 + 7)/7)^7) \times (77 - 7/7)) + 777) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) - (88 + 8))) + 8) \\
&:= (9 + 9) \times (((((9 + 9)/9)^9) - 9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10513 &:= (1 + ((1 + ((1 + 11)^{1+1}))^{1+1})) / (1 + 1) \\
&:= 2/2 + ((22 + 2) \times ((2 \times (222 - 2)) - 2)) \\
&:= 3/3 + ((3 + 3) \times (((3 \times 3 + 3)^3) - 3) + 3^3) \\
&:= ((44/4)^4) - ((4 \times (4 + 4)) + ((4 + 4)^4)) \\
&:= 5 + (((5 \times (5^5 - ((5 - 5/5)^5))) - ((5 + 5)/5)) + 5) \\
&:= 6/6 + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - (6 + 6))) \\
&:= 7 + ((77 \times (((7 + 7)/7)^7) + 7) + (777/7)) \\
&:= (((888/8) - 8)^{(8+8)/8}) - (88 + 8) \\
&:= 9/9 + (((99 \times 99) - (9 + 9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10514 &:= 1 + ((1 + ((1 + ((1 + 11)^{1+1}))^{1+1})) / (1 + 1)) \\
&:= (22 \times (22^2 - (2 + 2 + 2))) - 2 \\
&:= 3 + ((3 \times 3333) + ((3 - 3/3)^{3 \times 3})) \\
&:= (44 \times (4^4 - 4 \times 4)) - (((4 + 4)/4) + 44) \\
&:= 5 + (((5 \times (5^5 - ((5 - 5/5)^5))) - 5/5) + 5) \\
&:= ((6 + 6)/6) + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - (6 + 6))) \\
&:= 7 + (((77 + 7) \times (77 + 7 \times 7)) - 77) \\
&:= 8 + (((888/8) - 8) \times (((888 - 8)/8) - 8)) \\
&:= 9 + ((99 \times ((99 - ((9 + 9)/9)) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10515 &:= 111 + ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) \\
&:= (22 \times (22^2 - (2 + 2 + 2))) - 2/2 \\
&:= 3 + ((3 + 3) \times (((3 \times 3 + 3)^3) - 3) + 3^3) \\
&:= (44 \times (4^4 - 4 \times 4)) - (44 + 4/4) \\
&:= 5 + ((5 \times (5^5 - ((5 - 5/5)^5))) + 5) \\
&:= (666/6) + ((6 \times 6 + 66)^{(6+6)/6}) \\
&:= ((7/7 + 7) + 7) \times ((777 - 77) + 7/7) \\
&:= ((8 - 8/8) + 8) \times (((8 \times 88) - 88/8) + 8) \\
&:= 9 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) - (999/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10516 &:= ((11 + 11)^{1+1+1}) - (11 \times (1 + 11)) \\
&:= 22 \times (22^2 - (2 + 2 + 2)) \\
&:= ((33/3) + 33) \times (((3^3+3) - 3)/3) - 3) \\
&:= 44 \times (4^4 - ((4 \times 4) + 4/4)) \\
&:= (55/5) + (5 \times (5^5 - ((5 - 5/5)^5))) \\
&:= (6 - ((6 + 6)/6)) \times ((6 \times ((6 \times (66 + 6)) + 6)) + 6/6) \\
&:= (77777/7) - ((7 \times (77 + 7)) + 7) \\
&:= (88/8) \times (((88 \times 88) - (88 + 8))/8) \\
&:= (99/9) \times (((9 \times (99 + 9)) - (9 + 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10517 &:= 1 + (((11 + 11)^{1+1+1}) - (11 \times (1 + 11))) \\
&:= 2/2 + (22 \times (22^2 - (2 + 2 + 2))) \\
&:= (33333/3) - (3 \times (33 \times (3 + 3))) \\
&:= 4/4 + (44 \times (4^4 - ((4 \times 4) + 4/4))) \\
&:= ((55 + 5)/5) + (5 \times (5^5 - ((5 - 5/5)^5))) \\
&:= (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - (66 + 6/6) \\
&:= (((7 + 7 + 7)/7)^7) + ((7 + 7) \times ((7 \times (77 + 7)) + 7)) \\
&:= 8 + (((88/8) \times (((88 \times 88) - 8)/8)) - (8 \times (8 + 8))) \\
&:= ((99 + 9 + 9)/9) \times ((9 \times (9 \times 9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10518 &:= (11 + ((1 + ((1 + 11)^{1+1}))^{1+1})) / (1 + 1) \\
&:= 2 + (22 \times (22^2 - (2 + 2 + 2))) \\
&:= 3^3 + (((3^3 - 3)^3) - 3333) \\
&:= ((4 + 4)/4) + (44 \times (4^4 - ((4 \times 4) + 4/4))) \\
&:= (((55 + 5)/5 + 5) \times ((5^5 - 5)/5 - 5)) - 5 \\
&:= (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 66 \\
&:= (77/7) + (((77 + 7) \times (77 + 7 \times 7)) - 77) \\
&:= 8 + (((8/8 + 88) \times (((888 - 8)/8) + 8)) + 8) \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10519 &:= 1 + ((11 + ((1 + ((1 + 11)^{1+1}))^{1+1})) / (1 + 1)) \\
&:= 2 + ((22 \times (22^2 - (2 + 2 + 2))) + 2/2) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) + 3^3)) - (33/3) \\
&:= 4 + ((44 \times (4^4 - 4 \times 4)) - (44 + 4/4)) \\
&:= (5 \times ((5^5 - ((5 - 5/5)^5)) + 5)) - (55/5) \\
&:= 6/6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 66) \\
&:= 7777 + ((7 \times (7 \times (7 \times 7 + 7))) - ((7 + 7)/7)) \\
&:= ((88/8) \times ((88/8) \times (88 - 8/8))) - 8 \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10520 &:= 1 + (1 + ((11 + ((1 + ((1 + 11)^{1+1}))^{1+1})) / (1 + 1))) \\
&:= (2 - 22) \times (2 - (22 \times (22 + 2))) \\
&:= ((33/3 + 3)^3) + ((3 + 3)^{3+3-3/3}) \\
&:= 4 + (44 \times (4^4 - ((4 \times 4) + 4/4))) \\
&:= 5 + (((5 \times (5^5 - ((5 - 5/5)^5))) + 5) + 5) \\
&:= (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - (((6 + 6)/6)^6) \\
&:= (7/7 + 7) \times ((777 - 7/7) + (7 \times 77)) \\
&:= 8 \times (((88/8)^{88/8-8}) - (8 + 8)) \\
&:= 9 + (((9 + 9)/9)^9) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10521 &:= (11 + (11 - 1)) \times (((1 + 1)^{11-1-1}) - 11) \\
&:= 2/2 + ((2 - 22) \times (2 - (22 \times (22 + 2)))) \\
&:= 3 \times (3 \times (((33/3)^3) - ((3 + 3) \times 3^3))) \\
&:= 4 + ((44 \times (4^4 - ((4 \times 4) + 4/4))) + 4/4) \\
&:= ((5/5 + 5)^5) + ((5 \times ((5 + 5) \times 55)) - 5) \\
&:= 6 + (((6 \times 6 + 66)^{(6+6)/6}) + 666/6) \\
&:= 7777 + (7 \times (7 \times (7 \times 7 + 7))) \\
&:= (((888/8) - 8)^{(8+8)/8}) - 88 \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10522 &:= 1 + ((11 + (11 - 1)) \times (((1 + 1)^{11-1-1}) - 11)) \\
&:= 2 + ((2 - 22) \times (2 - (22 \times (22 + 2)))) \\
&:= ((33 - 33/3)^3) - ((3 \times 33) + 3^3) \\
&:= 4 + ((44 \times (4^4 - ((4 \times 4) + 4/4))) + ((4 + 4)/4)) \\
&:= 5 + ((5 \times (5^5 - ((5 - 5/5)^5))) + ((55 + 5)/5)) \\
&:= ((6 - 6/6)^6) - ((6/6 + 6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= 7/7 + ((7 \times (7 \times (7 \times 7 + 7))) + 7777) \\
&:= (((8 - 8/8) + 8) \times ((8 \times 88) - ((8 + 8)/8))) - 8 \\
&:= 9/9 + (((99 \times 99) - 9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10523 &:= 11 + (((1 + ((1 + 11)^{1+1}))^{1+1}) - 1)/(1 + 1) \\
&:= (22^{2/2+2}) - (((22/2)^2) + 2) + 2 \\
&:= ((33 - 33/3)^3) - (((3 - 3/3) + 3)^3) \\
&:= 444 + (((44 - 4) \times (4^4 - 4)) - 4/4) \\
&:= ((55 + 5)/5 + 5) \times (((5^5 - 5)/5) - 5) \\
&:= 6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - (66 + 6/6)) \\
&:= (77777/7) - (7 \times (77 + 7)) \\
&:= 8 + (((8 - 8/8) + 8) \times (((8 \times 88) - 88/8) + 8)) \\
&:= (9 \times (9 \times 9)) + (((99 \times 99) - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10524 &:= 11 + ((1 + ((1 + ((1 + 11)^{1+1}))^{1+1}))/ (1 + 1)) \\
&:= 2 + (((2 - 22) \times (2 - (22 \times (22 + 2)))) + 2) \\
&:= 33 + (((3^3 - 3)^3) - 3333) \\
&:= 444 + ((44 - 4) \times (4^4 - 4)) \\
&:= ((5^5 - 5)/5) + (55 \times (5 \times 5 + 55)) \\
&:= 6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 66) \\
&:= ((7 + 7) \times 777) - ((7 \times 7 \times 7) + (77/7)) \\
&:= ((88 + 8)/8) \times (888 - 88/8) \\
&:= (9 \times (9 \times 9)) + (((9 + 9 + 9)/9) - 9) + (99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10525 &:= (11^{1+1}) + ((1 + (1 + ((11 - 1)^{1+1})))^{1+1}) \\
&:= (22^{2/2+2}) - (((22/2)^2) + 2) \\
&:= ((33 - 3/3) \times (333 - (3/3 + 3))) - 3 \\
&:= ((44/4)^4) - (((4 + 4)^4) + 4 \times 4) + 4 \\
&:= 5 \times (((55 + 5) \times ((5 \times 5 + 5) + 5)) + 5) \\
&:= 6 + (((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 66) + 6/6) \\
&:= 77 + (((7 + 7)/7)^{7+7}) - ((77 \times 77) + 7) \\
&:= 8/8 + (((88 + 8)/8) \times (888 - 88/8)) \\
&:= (9 \times (9 \times 9)) + (((9 - 99)/(9 + 9)) + (99 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10526 &:= ((11 + 11)^{1+1+1}) - (1 + (11^{1+1})) \\
&:= 222 + ((2 \times 22 + 2) \times (222 + 2)) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) + 3^3)) - (3/3 + 3) \\
&:= (((4 - 4/4)^4) \times ((4^4 + 4)/(4 + 4/4))) - 4 \\
&:= ((5/5 + 5)^5) + (5 \times ((5 + 5) \times 55)) \\
&:= 6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - (((6 + 6)/6)^6)) \\
&:= (((77 + 7)/7) + 7) \times (((7 \times 77) + 7/7) + 7) + 7 \\
&:= ((88/8) \times ((88/8) \times (88 - 8/8))) - 8/8 \\
&:= 9 + (((99 + 9 + 9)/9) \times ((9 \times (9 \times 9 + 9)) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10527 &:= ((11 + 11)^{1+1+1}) - (11^{1+1}) \\
&:= (22^{2/2+2}) - ((22/2)^2) \\
&:= 33 \times (333 - (33/3 + 3)) \\
&:= (44/4) + (44 \times (4^4 - ((4 \times 4) + 4/4))) \\
&:= 5/5 + ((5 \times ((5 + 5) \times 55)) + ((5/5 + 5)^5)) \\
&:= ((6 \times 6) - (6/6 + 6)) \times ((66 \times 66)/(6 + 6)) \\
&:= ((7 + 7) \times 777) - (((7 \times 7 \times 7) + 7/7) + 7) \\
&:= (88/8) \times ((88/8) \times (88 - 8/8)) \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10528 &:= 1 + (((11 + 11)^{1+1+1}) - (11^{1+1})) \\
&:= (222 + 2) \times (((2 \times 22) + 2/2) + 2) \\
&:= (33 - 3/3) \times (333 - (3/3 + 3)) \\
&:= 4 \times ((44 \times ((4 \times 4) + 44)) - (4 + 4)) \\
&:= 5 + (((55 + 5)/5 + 5) \times (((5^5 - 5)/5) - 5)) \\
&:= (6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) - ((6 + 6)/6 + 6)) \\
&:= (7/7 + 7) \times ((7 \times 77) + 777) \\
&:= 8 \times 8 + ((88 \times ((888/8) + 8)) - 8) \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10529 &:= 1 + (1 + (((11 + 11)^{1+1+1}) - (11^{1+1}))) \\
&:= 2 + ((22^{2/2+2}) - ((22/2)^2)) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) + 3^3)) - 3/3 \\
&:= ((44/4)^4) - (((4 + 4)^4) + 4 \times 4) \\
&:= (5 \times ((5^5 - ((5 - 5/5)^5)) + 5)) - 5/5 \\
&:= (66/6) + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 66) \\
&:= 7/7 + ((7/7 + 7) \times ((7 \times 77) + 777)) \\
&:= 8 + (((888/8) - 8)^{(8+8)/8}) - 88 \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10530 &:= (11 - 1) \times ((1 + 1 + 11) \times ((11 - 1 - 1)^{1+1})) \\
&:= 2 + ((222 + 2) \times (((2 \times 22) + 2/2) + 2)) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) + 3^3) \\
&:= ((4 - 4/4)^4) \times ((4^4 + 4)/(4 + 4/4)) \\
&:= 5 \times ((5^5 - ((5 - 5/5)^5)) + 5) \\
&:= ((6 \times 66) - 6) \times ((66 \times 6/(6 + 6)) - 6) \\
&:= (7/7 + 77) \times (((7 + 7)/7)^7) + 7 \\
&:= ((8 - 8/8) + 8) \times ((8 \times 88) - ((8 + 8)/8)) \\
&:= (9 \times (9 \times 9)) + (99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10531 &:= 1 + ((11 - 1) \times ((1 + 1 + 11) \times ((11 - 1 - 1)^{1+1}))) \\
&:= 2 + (((22^{2/2+2}) - ((22/2)^2)) + 2) \\
&:= 3/3 + ((3 + 3) \times (((3 \times 3 + 3)^3) + 3^3)) \\
&:= ((44 - 4/4) \times (4^4 - 44/4)) - 4 \\
&:= 5 + ((5 \times ((5 + 5) \times 55)) + ((5/5 + 5)^5)) \\
&:= 6/6 + (((6 \times 66) - 6) \times ((66 \times 6/(6 + 6)) - 6)) \\
&:= 7/7 + ((7/7 + 77) \times (((7 + 7)/7)^7 + 7)) \\
&:= 8/8 + (((8 - 8/8) + 8) \times ((8 \times 88) - ((8 + 8)/8))) \\
&:= 9/9 + ((99 \times 99) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10532 &:= 1 + (1 + ((11 - 1) \times ((1 + 1 + 11) \times ((11 - 1 - 1)^{1+1})))) \\
&:= (2^{2+2}) + (22 \times (22^2 - (2 + 2 + 2))) \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) + 3^3)) - 3/3) \\
&:= 4 + (4 \times ((44 \times ((4 \times 4) + 44)) - (4 + 4))) \\
&:= ((5 + 5)/5) + (5 \times ((5^5 - ((5 - 5/5)^5)) + 5)) \\
&:= (6 \times ((6 \times 66) - 6)) + (((6 + 6)/6)^{6/6+6+6}) \\
&:= 77 + (((7 + 7)/7)^{7+7}) - (77 \times 77) \\
&:= 8 + (((88 + 8)/8) \times (888 - 88/8)) \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) + (9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10533 &:= 11111 - (1 + (1 + (((1 + 1) \times (1 + 11))^{1+1}))) \\
&:= (22^{2/2+2}) - (((222/2) + 2) + 2) \\
&:= 3 + ((3 + 3) \times (((3 \times 3 + 3)^3) + 3^3)) \\
&:= 4 + (((44/4)^4) - (((4 + 4)^4) + 4 \times 4)) \\
&:= 5 + (((55 + 5)/5 + 5) \times (((5^5 - 5)/5) - 5)) + 5 \\
&:= 6 + (((6 \times 6) - (6/6 + 6)) \times ((66 \times 66)/(6 + 6))) \\
&:= ((7 + 7) \times 777) - ((7 \times 7 \times 7) + (7 + 7)/7) \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - (((88/8) + 8) + 8) \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) + (9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10534 &:= 11111 - (1 + (((1 + 1) \times (1 + 11))^{1+1})) \\
&:= ((22 + 2) \times (((22 - 2/2)^2) - 2)) - 2 \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) + 3^3)) + 3/3) \\
&:= ((44/4)^4) - ((44/4) + ((4 + 4)^4)) \\
&:= 5 + ((5 \times ((5^5 - ((5 - 5/5)^5)) + 5)) - 5/5) \\
&:= 6 + ((6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) - ((6 + 6)/6 + 6))) \\
&:= ((7 + 7) \times 777) - ((7 \times 7 \times 7) + 7/7) \\
&:= 8 \times 8 + ((88 \times ((888/8) + 8)) - ((8 + 8)/8)) \\
&:= (9 \times (9 \times 9)) + (((9 \times 9) - 9)/(9 + 9)) + (99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10535 &:= 11111 - (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= (22^{2/2+2}) - ((222/2) + 2) \\
&:= (33333/3) - (((3 \times 3 + 3)^3)/3) \\
&:= (44 - 4/4) \times (4^4 - 44/4) \\
&:= 5 + (5 \times ((5^5 - ((5 - 5/5)^5)) + 5)) \\
&:= (6/6 + 6) \times ((6/6 + 6) \times ((6 \times 6 \times 6) - 6/6)) \\
&:= ((7 + 7) \times 777) - (7 \times 7 \times 7) \\
&:= (88888/8) - (8 \times ((8 \times 8) + 8)) \\
&:= (9 \times (9 \times 9)) + (((9 \times 9 + 9)/(9 + 9)) + (99 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10536 &:= ((11 + 11)^{1+1+1}) - (1 + 111) \\
&:= (22 + 2) \times (((22 - 2/2)^2) - 2) \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) + 3^3)) + 3) \\
&:= 4^4 + ((44 - 4) \times (4/4 + 4^4)) \\
&:= 5 + (((5 \times ((5 + 5) \times 55)) + ((5/5 + 5)^5)) + 5) \\
&:= (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) - (6 + 6) \\
&:= 7/7 + (((7 + 7) \times 777) - (7 \times 7 \times 7)) \\
&:= 8 \times 8 + (88 \times ((888/8) + 8)) \\
&:= 9 + (((99 \times 99) - ((9 + 9 + 9)/9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10537 &:= ((11 + 11)^{1+1+1}) - 111 \\
&:= (22^{2/2+2}) - (222/2) \\
&:= ((33 - 33/3)^3) - (333/3) \\
&:= (4/4 + 4^4) \times ((4/4 - 4) + 44) \\
&:= (((5 + 5)/5)^5) + (5 \times (5^5 - ((5 - 5/5)^5))) \\
&:= (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) - (66/6) \\
&:= 7 + ((7/7 + 77) \times (((7 + 7)/7)^7 + 7)) \\
&:= (((8 - 8/8) + 8) \times ((8 \times 88) - 8/8)) - 8 \\
&:= 9 + (((99 \times 99) - ((9 + 9)/9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10538 &:= 1 + (((11 + 11)^{1+1+1}) - 111) \\
&:= 22 \times (22^2 - (2/2 + 2 + 2)) \\
&:= ((3^3 - 3)^3) - (((3^3 \times 3) + 33)/(3 + 3)) \\
&:= 4 + (((44/4)^4) - ((44/4) + ((4 + 4)^4))) \\
&:= (55/5) \times (((5 - 5/5)^5) - ((55/5) + 55)) \\
&:= (66/6) \times (((6 + 6)/6)^{66-6/6}) - 66 \\
&:= 77/7 \times (((77 \times 77) + 777)/7) \\
&:= 8 + (((8 - 8/8) + 8) \times ((8 \times 88) - ((8 + 8)/8))) \\
&:= 9 + (((99 \times 99) - 9/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10539 &:= 1 + (1 + (((11 + 11)^{1+1+1}) - 111)) \\
&:= 2 + (((22^{2/2+2}) - (222/2)) \\
&:= 3 \times ((3 \times ((33 \times 33) + (3 \times 3^3))) + 3) \\
&:= 4 + ((44 - 4/4) \times (4^4 - 44/4)) \\
&:= 555 + ((55/5 + 5) \times ((5^5 - 5)/5)) \\
&:= (((6 \times 6) + 6/6) \times ((6 \times 66) - (666/6))) - 6 \\
&:= (7 \times 77) + (((77 - 7)/7)^{77/7-7}) \\
&:= (8/8 + 8) \times (((8 + 8) \times ((8 \times 8) + 8)) + (88/8) + 8) \\
&:= 9 + ((99 \times 99) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10540 &:= 1 + (1 + (1 + (((11 + 11)^{1+1+1}) - 111))) \\
&:= (2 - 22) \times (2 - ((22 + 2/2)^2)) \\
&:= ((33 - 33/3)^3) - (3 \times (33 + 3)) \\
&:= 44 + ((4^4 \times (44 - 4)) + 4^4) \\
&:= (5 + 5) \times (((5 - 5/5)^5) + 5 \times 5) + 5 \\
&:= (6 - 6/6) \times (((6 + 6)/6)^{66/6}) - 6 + 66 \\
&:= 7 + (((7 + 7) \times 777) - ((7 \times 7 \times 7) + ((7 + 7)/7))) \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - (((88 + 8)/8) + 8) \\
&:= 9 + (((99 \times 99) + (9 \times (9 \times 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10541 &:= 1 + (1 + (1 + (1 + ((11 + 11)^{1+1+1}) - 111))) \\
&:= 2 + (((22^{2/2+2}) - (222/2)) + 2) \\
&:= (33/3) + ((3 + 3) \times ((3 \times 3 + 3)^3 + 3^3)) \\
&:= ((44/4)^4) - (((4 + 4)^4) + 4) \\
&:= (5 \times 555) + (((5/5 + 5)^5) - (5 + 5)) \\
&:= (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) - (6/6 + 6) \\
&:= 7 + (((7 + 7) \times 777) - ((7 \times 7 \times 7) + 7/7)) \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - ((88/8) + 8) \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10542 &:= (11 + (11 - 1)) \times (1 + (((1 + 1)^{11-1-1}) - 11)) \\
&:= 2 + ((2 - 22) \times (2 - ((22 + 2/2)^2))) \\
&:= (33/3 + 3) \times (((3^3+3) - 3) + 3^3) \\
&:= 4/4 + (((44/4)^4) - (((4 + 4)^4) + 4)) \\
&:= 5 + ((5 \times (5^5 - ((5 - 5/5)^5))) + (((5 + 5)/5)^5)) \\
&:= (6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) - 6) \\
&:= 7 + (((7 + 7) \times 777) - (7 \times 7 \times 7)) \\
&:= ((8 - 88)/8) + ((88 \times ((8 \times (8 + 8)) - 8)) - 8) \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10543 &:= (11^{1+1+1+1}) - (1 + (1 + ((1 + 1)^{11+1}))) \\
&:= ((22/2)^{2+2}) - ((2^{2 \times (2+2+2)} + 2) \\
&:= ((3^3 - 3)^3) - (((3^3 \times 3) + 3)/(3 + 3)) \\
&:= ((44/4)^4) - (((4 + 4)^4) + ((4 + 4)/4)) \\
&:= (555 \times ((5 \times 5) - (5/5 + 5))) - ((5 + 5)/5) \\
&:= 6/6 + (((6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) - 6)) \\
&:= 7 + (((7 + 7) \times 777) - (7 \times 7 \times 7)) + 7/7) \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - (8/8 + 8 + 8) \\
&:= 9999 + (((99 \times 99) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10544 &:= (11^{1+1+1+1}) - (1 + ((1 + 1)^{11+1})) \\
&:= 2 \times (2 \times (2 \times ((2 + 2 + 2)^{2+2}) + 22)) \\
&:= ((3^3 - 3)^3) + ((3 - (3^3 \times 3))/(3 + 3)) \\
&:= 4 \times ((44 \times ((4 \times 4) + 44)) - 4) \\
&:= (555 \times ((5 \times 5) - (5/5 + 5))) - 5/5 \\
&:= (((66 - 6)/6) + 6) \times (666 - (6/6 + 6)) \\
&:= 7 + (((7/7 + 77) \times (((7 + 7)/7)^7) + 7) + 7) \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - (8 + 8) \\
&:= 9999 + (((99 \times 99) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10545 &:= (11^{1+1+1+1}) - ((1 + 1)^{11+1}) \\
&:= ((22/2)^{2+2}) - (2^{2 \times (2+2+2)}) \\
&:= 3 \times (((33/3)^3) - 3) + (3 \times (3^3+3)) \\
&:= ((44/4)^4) - ((4 + 4)^4) \\
&:= 555 \times ((5 \times 5) - (5/5 + 5)) \\
&:= ((6 \times 6) + 6/6) \times ((6 \times 66) - (666/6)) \\
&:= (777/7) \times (((77/7) + 77) + 7) \\
&:= ((8 - 8/8) + 8) \times ((8 \times 88) - 8/8) \\
&:= ((9/9 + 9) + 9) \times ((9999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10546 &:= 1 + ((11^{1+1+1+1}) - ((1 + 1)^{11+1})) \\
&:= 2 + (2 \times (2 \times (2 \times (((2 + 2 + 2)^{2+2}) + 22)))) \\
&:= ((33 - 33/3)^3) - (3 \times 33 + 3) \\
&:= 4/4 + (((44/4)^4) - ((4 + 4)^4)) \\
&:= (5 \times 555) + (((5/5 + 5)^5) - 5) \\
&:= (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) - ((6 + 6)/6) \\
&:= (77/7) + (((7 + 7) \times 777) - (7 \times 7 \times 7)) \\
&:= 8/8 + (((8 - 8/8) + 8) \times ((8 \times 88) - 8/8)) \\
&:= 9 + (((99 \times 99) - ((9 + 9)/9)) + (9 \times (9 \times 9))) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10547 &:= 1 + (1 + ((11^{1+1+1+1}) - ((1 + 1)^{11+1}))) \\
&:= (((222/2) + 2)^2) - 2222 \\
&:= 3 + (((3 - (3^3 \times 3))/(3 + 3)) + ((3^3 - 3)^3)) \\
&:= ((4 + 4)/4) + (((44/4)^4) - ((4 + 4)^4)) \\
&:= 5/5 + (((5/5 + 5)^5) - 5) + (5 \times 555) \\
&:= (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) - 6/6 \\
&:= (((7 + 7)/7)^7) \times ((77 - 7/7) + 7) - 77 \\
&:= ((8 \times 8) - 88/8) \times ((888/8) + 88) \\
&:= 9 + (((99 \times 99) - 9/9) + (9 \times (9 \times 9))) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10548 &:= 11 + (((11 + 11)^{1+1+1}) - 111) \\
&:= (22^{2/2+2}) - ((2 \times (2 + 2) + 2)^2) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) + 3^3 + 3) \\
&:= 4 + (4 \times ((44 \times ((4 \times 4) + 44)) - 4)) \\
&:= 5 + ((555 \times ((5 \times 5) - (5/5 + 5))) - ((5 + 5)/5)) \\
&:= 6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6) \\
&:= (77/7 + 7) \times ((7 \times (77 + 7)) - ((7 + 7)/7)) \\
&:= ((88 + 8)/8) \times (888 - (8/8 + 8)) \\
&:= 9 + (((99 \times 99) + (9 \times (9 \times 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10549 &:= 1 + (11 + (((11 + 11)^{1+1+1}) - 111)) \\
&:= (22 \times (22^2 - (2 + 2))) - (22/2) \\
&:= ((33 - 33/3)^3) - (3 \times 33) \\
&:= 4 + (((44/4)^4) - ((4 + 4)^4)) \\
&:= 5 + ((555 \times ((5 \times 5) - (5/5 + 5))) - 5/5) \\
&:= 6/6 + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) \\
&:= 77 \times (((77/7) + 77) + (7 \times 7)) \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - (88/8) \\
&:= 9 + (((99 \times 99) + (9 \times (9 \times 9))) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10550 &:= ((111 - (1 + 1))^{1+1}) - (11^{1+1+1}) \\
&:= 2 + (((22^{2/2+2}) - ((2 \times (2 + 2) + 2)^2)) \\
&:= 3/3 + (((33 - 33/3)^3) - (3 \times 33)) \\
&:= 4 + (((44/4)^4) - ((4 + 4)^4)) + 4/4) \\
&:= 5 + (555 \times ((5 \times 5) - (5/5 + 5))) \\
&:= ((6 + 6)/6) + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) \\
&:= 7/7 + (77 \times (((77/7) + 77) + (7 \times 7))) \\
&:= ((8 - 88)/8) + (88 \times ((8 \times (8 + 8)) - 8)) \\
&:= 9 + (((99 \times 99) + (9 \times (9 \times 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10551 &:= 1 + (((111 - (1 + 1))^{1+1}) - (11^{1+1+1})) \\
&:= 2 + ((22 \times (22^2 - (2 + 2))) - (22/2)) \\
&:= 3 + ((3 + 3) \times (((3 \times 3 + 3)^3) + 3^3) + 3) \\
&:= (44 \times (4^4 - 4 \times 4)) - ((4/4 + 4) + 4) \\
&:= (5 \times 555) + ((5/5 + 5)^5) \\
&:= 6 + (((6 \times 6) + 6/6) \times ((6 \times 66) - (666/6))) \\
&:= 7 + (((7/7 + 77) \times (((7 + 7)/7)^7) + 7) + 7) + 7) \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - (8/8 + 8) \\
&:= (((99 + 9)/9) \times ((9 \times 99) - (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10552 &:= ((1 + 1)^{1+1+1}) \times ((11^{1+1+1}) - (1 + 11)) \\
&:= 2 \times ((22 \times ((22^2/2) - 2)) - (2 + 2)) \\
&:= 3 + (((33 - 33/3)^3) - (3 \times 33)) \\
&:= (44 \times (4^4 - 4 \times 4)) - (4 + 4) \\
&:= 5/5 + ((5 \times 555) + ((5/5 + 5)^5)) \\
&:= 6 + ((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) - ((6 + 6)/6)) \\
&:= 7 + ((777/7) \times (((77/7) + 77) + 7)) \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - 8 \\
&:= 9 + (((99 \times 99) - 9)/(9 + 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10553 &:= ((111 - (1 + 1 + 1))^{1+1}) - 1111 \\
&:= 2 + (((22 \times (22^2 - (2 + 2))) - (22/2)) + 2) \\
&:= (3 \times ((33/3)^3)) + (((3^3 \times 3) - 3)/3) \\
&:= 4 + (((44/4)^4) - ((4 + 4)^4) + 4) \\
&:= 5^5 + (((55 + 5)/5) \times (((5^5 - 5)/5) - 5)) \\
&:= 6 + ((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) - 6/6) \\
&:= 7 + (((7 + 7) \times 777) - (7 \times 7 \times 7)) + (77/7) \\
&:= 8/8 + ((88 \times ((8 \times (8 + 8)) - 8)) - 8) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10554 &:= 1 + (((111 - (1 + 1 + 1))^{1+1}) - 1111) \\
&:= (22 \times (22^2 - (2 + 2))) - (2 + 2 + 2) \\
&:= 3 \times (((33/3)^3) + (3 \times (3^3+3))) \\
&:= (44 \times (4^4 - 4 \times 4)) - (((4 + 4)/4) + 4) \\
&:= 555 + (((5 + 5)^{5-5/5}) - 5/5) \\
&:= 6 + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) \\
&:= ((7 + 7) \times (777 - 7 - 7)) - (((7 + 7)/7)^7) \\
&:= ((8 + 8)/8) + ((88 \times ((8 \times (8 + 8)) - 8)) - 8) \\
&:= 9999 + ((9999 - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10555 &:= 11111 - ((1 + 1111)/(1 + 1)) \\
&:= ((222/2)^2) - (((2 \times 22 - 2)^2) + 2) \\
&:= (((3^3 \times 3) + 3)/3) + (3 \times ((33/3)^3)) \\
&:= (44 \times (4^4 - 4 \times 4)) - (4/4 + 4) \\
&:= 555 + ((5 + 5)^{5-5/5}) \\
&:= 6 + ((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) + 6/6) \\
&:= 7 + ((77/7 + 7) \times ((7 \times (77 + 7)) - ((7 + 7)/7))) \\
&:= 88/8 + ((88 \times ((8 \times (8 + 8)) - 8)) - (8 + 8)) \\
&:= 9999 + ((9999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10556 &:= 11111 - ((1111 - 1)/(1 + 1)) \\
&:= 2 \times ((22 \times ((22^2/2) - 2)) - 2) \\
&:= 3 + ((3 \times ((33/3)^3)) + (((3^3 \times 3) - 3)/3)) \\
&:= (44 \times (4^4 - 4 \times 4)) - 4 \\
&:= 5 + ((5 \times 555) + ((5/5 + 5)^5)) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - (((6 + 6)/6)^{6+6}) \\
&:= 7 + (77 \times (((77/7) + 77) + (7 \times 7))) \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - (8 \times 8/(8 + 8)) \\
&:= ((9/9 + (9 \times 9) + 9) \times ((99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10557 &:= 1 + (11111 - ((1111 - 1)/(1 + 1))) \\
&:= ((222/2)^2) - ((2 \times 22 - 2)^2) \\
&:= ((3^3 - 3)^3) - (3 \times (33 \times 33)) \\
&:= 4/4 + ((44 \times (4^4 - 4 \times 4)) - 4) \\
&:= (((5 + 5)/5) + 5)^5 - (5^5 + 5^5) \\
&:= (6 \times 666) + ((6 \times 6/(6 + 6))^{(6+6)/6+6}) \\
&:= (77 - (7/7 + 7)) \times ((77 - 7/7) + 77) \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) - 88/8) \\
&:= 9 + (((99 \times 99) + (9 \times (9 \times 9))) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10558 &:= 1 + (1 + (11111 - ((1111 - 1)/(1 + 1)))) \\
&:= (22 \times (22^2 - (2 + 2))) - 2 \\
&:= (3 \times (3 - 33)) + ((33 - 33/3)^3) \\
&:= (44 \times (4^4 - 4 \times 4)) - ((4 + 4)/4) \\
&:= 5/5 + (((5 + 5)/5) + 5)^5 - (5^5 + 5^5) \\
&:= ((66 - 6)/6) + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) \\
&:= (77777/7) - (((7 \times 77) + 7) + 7) \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - ((8 + 8)/8) \\
&:= (((99 - 9/9) + 9)^{(9+9)/9}) - (9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10559 &:= (11 \times ((1 + 11) \times (((11 - 1 - 1)^{1+1}) - 1))) - 1 \\
&:= (22 \times (22^2 - (2 + 2))) - 2/2 \\
&:= ((33 - 3/3) \times (333 - 3)) - 3/3 \\
&:= (44 \times (4^4 - 4 \times 4)) - 4/4 \\
&:= 5 + (((5 + 5)^{5-5/5}) - 5/5) + 555 \\
&:= (66/6) + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) \\
&:= ((77/7 + 7) \times ((7 \times (77 + 7)) - 7/7)) - 7 \\
&:= (88 \times ((8 \times (8 + 8)) - 8)) - 8/8 \\
&:= 9 + (((99 \times 99) + (9 \times (9 \times 9))) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10560 &:= 11 \times ((1 + 11) \times (((11 - 1 - 1)^{1+1}) - 1)) \\
&:= 22 \times (22^2 - (2 + 2)) \\
&:= (33 - 3/3) \times (333 - 3) \\
&:= 44 \times (4^4 - 4 \times 4) \\
&:= 5 + (((5 + 5)^{5-5/5}) + 555) \\
&:= (6 - 666) \times (((6 - 66)/6) - 6) \\
&:= (((7 - 7/7) + 7) + 7) \times ((7 \times 77) - (77/7)) \\
&:= 88 \times ((8 \times (8 + 8)) - 8) \\
&:= ((99 + 9)/9) \times ((9 \times 99) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10561 &:= 1 + (11 \times ((1 + 11) \times (((11 - 1 - 1)^{1+1}) - 1))) \\
&:= 2/2 + (22 \times (22^2 - (2 + 2))) \\
&:= 3/3 + ((33 - 3/3) \times (333 - 3)) \\
&:= 4/4 + (44 \times (4^4 - 4 \times 4)) \\
&:= 5 + (((5 \times 555) + ((5/5 + 5)^5)) + 5) \\
&:= 6/6 + ((6 - 666) \times (((6 - 66)/6) - 6)) \\
&:= 7 + (((7 + 7) \times (777 - 7 - 7)) - (((7 + 7)/7)^7)) \\
&:= 8/8 + (88 \times ((8 \times (8 + 8)) - 8)) \\
&:= 9/9 + (((99 + 9)/9) \times ((9 \times 99) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10562 &:= 1 + (1 + (11 \times ((1 + 11) \times (((11 - 1 - 1)^{1+1}) - 1)))) \\
&:= 2 + (22 \times (22^2 - (2 + 2))) \\
&:= 3 + (((33 - 3/3) \times (333 - 3)) - 3/3) \\
&:= ((4 + 4)/4) + (44 \times (4^4 - 4 \times 4)) \\
&:= 5 + (((((5 + 5)/5) + 5)^5) - (5^5 + 5^5)) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 + 6)) - (((6 + 6)/6)^{6+6})) \\
&:= ((77 + 7) \times (77 + 7 \times 7)) - (((7/7 + 7) + 7) + 7) \\
&:= ((8 + 8)/8) + (88 \times ((8 \times (8 + 8)) - 8)) \\
&:= ((99/9) \times ((9 \times (99 + 9)) - (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10563 &:= (1 + 1 + 1) \times (1 + ((111 - 1) \times ((11 \times (1 + 1 + 1)) - 1))) \\
&:= 2 + ((22 \times (22^2 - (2 + 2))) + 2/2) \\
&:= 3 + ((33 - 3/3) \times (333 - 3)) \\
&:= 4 + ((44 \times (4^4 - 4 \times 4)) - 4/4) \\
&:= 5 + (((((5 + 5)/5) + 5)^5) - (5^5 + 5^5)) + 5/5) \\
&:= (6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) - (6 \times 6/(6 + 6))) \\
&:= 7 \times (((7 + 7)/7)^{77/7}) - (7 \times 77) \\
&:= 88/8 + ((88 \times ((8 \times (8 + 8)) - 8)) - 8) \\
&:= (((99 + 9)/9) + 9) \times (((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10564 &:= (((1 + 1) \times (11 - 1)) - 1) \times ((1 + 1111)/(1 + 1)) \\
&:= 2 + ((22 \times (22^2 - (2 + 2))) + 2) \\
&:= ((33 - 33/3)^3) - ((3 \times 3^3) + 3) \\
&:= 4 + (44 \times (4^4 - 4 \times 4)) \\
&:= (555 + 5/5) \times ((5 \times 5) - (5/5 + 5)) \\
&:= ((6/6 + 6 + 6) + 6) \times ((6666 + 6)/(6 + 6)) \\
&:= (7/7 - 77) \times ((7/7 - (7 \times (7 + 7 + 7))) + 7) \\
&:= (8 \times 8/(8 + 8)) + (88 \times ((8 \times (8 + 8)) - 8)) \\
&:= ((9/9 + 9) + 9) \times ((9999 + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10565 &:= 1 + (((1 + 1) \times (11 - 1)) - 1) \times ((1 + 1111)/(1 + 1)) \\
&:= 2 + (((22 \times (22^2 - (2 + 2))) + 2/2) + 2) \\
&:= ((3 + 3) \times (((3 \times 3 + 3)^3) + 33)) - 3/3 \\
&:= 4 + ((44 \times (4^4 - 4 \times 4)) + 4/4) \\
&:= 5 + (((5 + 5)^{5-5/5}) + 555) + 5) \\
&:= 6 + ((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) - 6)) + (66/6)) \\
&:= (77777/7) - ((7 \times 77) + 7) \\
&:= 8 + (((88 \times ((8 \times (8 + 8)) - 8)) - 88/8) + 8) \\
&:= 9999 + ((9 \times ((9 \times 9) - (9 + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10566 &:= 11 + (11111 - ((1 + 1111)/(1 + 1))) \\
&:= 2 + (((22 \times (22^2 - (2 + 2))) + 2) + 2) \\
&:= (3 + 3) \times (((3 \times 3 + 3)^3) + 33) \\
&:= 4 + ((44 \times (4^4 - 4 \times 4)) + ((4 + 4)/4)) \\
&:= 5 + (((5 \times 555) + ((5/5 + 5)^5)) + 5) + 5) \\
&:= 6 + ((6 - 666) \times (((6 - 66)/6) - 6)) \\
&:= (77/7 + 7) \times ((7 \times (77 + 7)) - 7/7) \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) - ((8 + 8)/8)) \\
&:= 9999 + (9 \times ((9 \times 9) - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10567 &:= ((11 + 11)^{1+1+1}) - ((11 - 1 - 1)^{1+1+1}) \\
&:= (22^{2/2+2}) - ((2/2 + 2)^{2+2}) \\
&:= ((33 - 33/3)^3) - (3 \times 3^3) \\
&:= 4 + (((44 \times (4^4 - 4 \times 4)) - 4/4) + 4) \\
&:= 5 + (((((5 + 5)/5) + 5)^5) - (5^5 + 5^5)) + 5) \\
&:= (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - ((66/6) + 6) \\
&:= 7 + (((7 - 7/7) + 7) + 7) \times ((7 \times 77) - (77/7)) \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) - 8/8) \\
&:= 9/9 + ((9 \times ((9 \times 9) - (9 + 9))) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10568 &:= ((1 + 1)^{1+1+1}) \times (1 + (11 \times ((11^{1+1}) - 1))) \\
&:= 2 \times (((22 \times ((22^2/2) - 2)) + 2) + 2) \\
&:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) + 33)) - 3/3) \\
&:= 4 + ((44 \times (4^4 - 4 \times 4)) + 4) \\
&:= (55/5) + (((((5 + 5)/5) + 5)^5) - (5^5 + 5^5)) \\
&:= (6 \times (6 \times 66)) + (((6 + 6)/6)^{6/6+6+6}) \\
&:= (7/7 + 7) \times ((7 \times (((7 + 7) \times (7 + 7)) - 7)) - ((7 + 7)/7)) \\
&:= 8 + (88 \times ((8 \times (8 + 8)) - 8)) \\
&:= ((9 + 9)/9) + ((9 \times ((9 \times 9) - (9 + 9))) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10569 &:= (11 \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1})) - (1 + 1) \\
&:= 2 + ((22^{2/2+2}) - ((2/2 + 2)^{2+2})) \\
&:= 3 + ((3 + 3) \times (((3 \times 3 + 3)^3) + 33)) \\
&:= 4 + (((44 \times (4^4 - 4 \times 4)) + 4/4) + 4) \\
&:= 5 + ((555 + 5/5) \times ((5 \times 5) - (5/5 + 5))) \\
&:= 6 + ((6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) - (6 \times 6/(6 + 6)))) \\
&:= ((77 + 7) \times (77 + 7 \times 7)) - ((7/7 + 7) + 7) \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) + 8/8) \\
&:= 9 + (((99 + 9)/9) \times ((9 \times 99) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10570 &:= (11 \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1})) - 1 \\
&:= (2/2 + 2 + 2) \times (((2 \times 22 + 2)^2) - 2) \\
&:= 3 + (((33 - 33/3)^3) - (3 \times 3^3)) \\
&:= ((44 - 4)/4) + (44 \times (4^4 - 4 \times 4)) \\
&:= 5 \times 5 + (555 \times ((5 \times 5) - (5/5 + 5))) \\
&:= (6 - 6/6) \times (((6 + 6)/6)^{66/6}) + 66) \\
&:= ((77 + 7) \times (77 + 7 \times 7)) - (7 + 7) \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) + ((8 + 8)/8)) \\
&:= ((9 \times 9) - (99/9)) \times ((9 \times (9 + 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 10571 &:= 11 \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}) \\ &:= (22/2) + (22 \times (22^2 - (2 + 2))) \\ &:= (3^{3+3}) + (((3^{3 \times 3}) + 3/3)/(3 - 3/3)) \\ &:= (44/4) + (44 \times (4^4 - 4 \times 4)) \\ &:= ((5/5 + 5)^5) + ((5 \times (555 + 5)) - 5) \\ &:= (66/6) \times (((6 \times 6 - 6) + 6/6)^{(6+6)/6}) \\ &:= 7/7 + (((77 + 7) \times (77 + 7 \times 7)) - (7 + 7)) \\ &:= 88/8 + (88 \times ((8 \times (8 + 8)) - 8)) \\ &:= (99/9) \times ((9 \times (99 + 9)) - (99/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10576 &:= (1 + 1) \times (((11 - 1) \times ((1 + 11 + 11)^{1+1})) - (1 + 1)) \\ &:= (2^{2+2}) + (22 \times (22^2 - (2 + 2))) \\ &:= (3 \times (3 - 3^3)) + ((33 - 33/3)^3) \\ &:= 4 \times ((44 \times ((4 \times 4) + 44)) + 4) \\ &:= ((5/5 + 5)^5) + (5 \times (555 + 5)) \\ &:= (((6 + 6)/6)^{6+6}) + (6 \times (6 \times (6 \times (6 \times 6 - 6)))) \\ &:= ((77 + 7) \times (77 + 7 \times 7)) - (7/7 + 7) \\ &:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) + 8) \\ &:= 9/9 + (((99 + 9) \times (99 - 9/9)) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10572 &:= 1 + (11 \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1})) \\ &:= (2 + 2 + 2) \times (((2 \times 22 - 2)^2) - 2) \\ &:= 3 + (((3 + 3) \times (((3 \times 3 + 3)^3) + 33)) + 3) \\ &:= 4 + (((44 \times (4^4 - 4 \times 4)) + 4) + 4) \\ &:= 5 + ((((((5 + 5)/5) + 5)^5) - (5^5 + 5^5)) + 5) + 5) \\ &:= (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - (6 + 6) \\ &:= (77777/7) - (7 \times 77) \\ &:= ((88 + 8)/8) + (88 \times ((8 \times (8 + 8)) - 8)) \\ &:= ((99 + 9)/9) \times ((9 \times 99) - (9/9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10577 &:= ((1 + 1) \times (((11 - 1) \times ((1 + 11 + 11)^{1+1})) - 1)) - 1 \\ &:= ((22 - 2) \times ((22 + 2/2)^2)) - (2/2 + 2) \\ &:= (33/3) + ((3 + 3) \times (((3 \times 3 + 3)^3) + 33)) \\ &:= 4 \times 4 + ((44 \times (4^4 - 4 \times 4)) + 4/4) \\ &:= 5^5 + (((55 + 5)/5) \times (((5^5 + 5)/5) - 5)) \\ &:= (6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) - 6/6) \\ &:= ((77 + 7) \times (77 + 7 \times 7)) - 7 \\ &:= 8 + (((88 \times ((8 \times (8 + 8)) - 8)) + 8/8) + 8) \\ &:= ((9 + 9)/9) + (((99 + 9) \times (99 - 9/9)) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10573 &:= 1 + (1 + (11 \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}))) \\ &:= 2 + ((22 \times (22^2 - (2 + 2))) + (22/2)) \\ &:= 3 + (((33 - 33/3)^3) - (3 \times 3^3)) + 3) \\ &:= 4 + (((44 \times (4^4 - 4 \times 4)) + 4/4) + 4) + 4) \\ &:= ((5 \times 5 - 5) \times (555 + 5)) - ((5^5 + 5 + 5)/5) \\ &:= (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - (66/6) \\ &:= ((77 + 7) \times (77 + 7 \times 7)) - (77/7) \\ &:= ((88 + 8 + 8)/8) + (88 \times ((8 \times (8 + 8)) - 8)) \\ &:= (99 - ((9 + 9)/9)) \times ((9/9 + 99) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10578 &:= (1 + 1) \times (((11 - 1) \times ((1 + 11 + 11)^{1+1})) - 1) \\ &:= ((22 - 2) \times ((22 + 2/2)^2)) - 2 \\ &:= ((33 + 3) \times ((3 \times 3 \times 33) - 3)) - (3 + 3) \\ &:= (44 - 4/4) \times (((4 - 44)/4) + 4^4) \\ &:= 55 + (((55 + 5)/5 + 5) \times (((5^5 - 5)/5) - 5)) \\ &:= (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 6 \\ &:= 7/7 + (((77 + 7) \times (77 + 7 \times 7)) - 7) \\ &:= 8 + (((88 \times ((8 \times (8 + 8)) - 8)) + ((8 + 8)/8)) + 8) \\ &:= (9/9 + (9 \times 9)) \times (((999/9) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10574 &:= 1 + (1 + (1 + (11 \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1})))) \\ &:= 2 + ((2 + 2 + 2) \times (((2 \times 22 - 2)^2) - 2)) \\ &:= (3 \times 3333) + (((3 \times 3 + 3)^3) - 3)/3) \\ &:= 4 + ((44 \times (4^4 - 4 \times 4)) + ((44 - 4)/4)) \\ &:= ((55 + 5)/5 + 5) \times (((5^5 + 5 + 5)/5) - 5) \\ &:= ((6 - 66)/6) + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\ &:= ((7 - 77)/7) + ((77 + 7) \times (77 + 7 \times 7)) \\ &:= 8 + (((88 \times ((8 \times (8 + 8)) - 8)) - ((8 + 8)/8)) + 8) \\ &:= ((99 + 9) \times (99 - 9/9)) - (9/9 + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10579 &:= ((1 + 1) \times ((11 - 1) \times ((1 + 11 + 11)^{1+1}))) - 1 \\ &:= ((22 - 2) \times ((22 + 2/2)^2)) - 2/2 \\ &:= 3 + (((33 - 33/3)^3) + (3 \times (3 - 3^3))) \\ &:= 4 + (((44 \times (4^4 - 4 \times 4)) + 44/4) + 4) \\ &:= 5 + (((55 + 5)/5 + 5) \times (((5^5 + 5 + 5)/5) - 5)) \\ &:= 6/6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 6) \\ &:= 7 + ((77777/7) - (7 \times 77)) \\ &:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) + (88/8)) \\ &:= (99 \times (99 + 9)) - (((999 + 9) + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10575 &:= 1 + (1 + (1 + (1 + (11 \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1})))) \\ &:= (2/2 + 2 + 2) \times (((2 \times 22 + 2)^2) - 2/2) \\ &:= 3 \times ((3 \times ((3/3 + 3)^3)) + 3333) \\ &:= 4 + ((44 \times (4^4 - 4 \times 4)) + 44/4) \\ &:= ((5 + 5) \times ((5 \times (5 \times 55)) - 5)) - 5^5 \\ &:= (((6 - 66) + 6)/6) + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\ &:= ((7 + 7)/7 + 7) \times (((7 + 7) \times (77 + 7)) - 7/7) \\ &:= ((8 - 8/8) + 8) \times ((8 \times 88) + 8/8) \\ &:= ((99 + 9) \times (99 - 9/9)) - 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10580 &:= (1 + 1) \times ((11 - 1) \times ((1 + 11 + 11)^{1+1})) \\ &:= (22 - 2) \times ((22 + 2/2)^2) \\ &:= (3/3 + 3) \times (((33/3 + 3)^3) - (3 \times 33)) \\ &:= 4 + ((44 \times (4^4 - 4 \times 4)) + 4 \times 4) \\ &:= 5 + (((5 + 5) \times ((5 \times (5 \times 55)) - 5)) - 5^5) \\ &:= ((6 + 6)/6) + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 6) \\ &:= 7 + (((77 + 7) \times (77 + 7 \times 7)) - (77/7)) \\ &:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) + ((88 + 8)/8)) \\ &:= (99 \times (99 + 9)) - ((999 + 9)/9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10581 &:= 1 + ((1 + 1) \times ((11 - 1) \times ((1 + 11 + 11)^{1+1}))) \\
&:= 2/2 + ((22 - 2) \times ((22 + 2/2)^2)) \\
&:= ((33 + 3) \times ((3 \times 3 \times 33) - 3)) - 3 \\
&:= (((4 \times 4) + 4/4) \times ((4/4 + 4)^4)) - 44 \\
&:= 5 + ((5 \times (555 + 5)) + ((5/5 + 5)^5)) \\
&:= (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - (6 \times 6 / (6 + 6)) \\
&:= ((77 + 7) \times (77 + 7 \times 7)) - ((7 + 7 + 7) / 7) \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) + ((88 + 8 + 8) / 8)) \\
&:= (99 \times (99 + 9)) - (999 / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10582 &:= 11 \times (1 + ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1})) \\
&:= 22 \times (22^2 - (2/2 + 2)) \\
&:= ((33 - 33/3)^3) - (33 + 33) \\
&:= 4 + ((44 - 4/4) \times (((4 - 44) / 4) + 4^4)) \\
&:= 5 \times 5 + (((((5 + 5) / 5) + 5)^5) - (5^5 + 5^5)) \\
&:= (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - ((6 + 6) / 6) \\
&:= ((77 + 7) \times (77 + 7 \times 7)) - ((7 + 7) / 7) \\
&:= (88 / 8) \times ((8 \times ((8 \times (8 + 8)) - 8)) + ((8 + 8) / 8)) \\
&:= (99 / 9) \times ((9 \times (99 + 9)) - (9 / 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10583 &:= 1 + (11 \times (1 + ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}))) \\
&:= 2/2 + (22 \times (22^2 - (2/2 + 2))) \\
&:= ((33 + 3) \times ((3 \times 3 \times 33) - 3)) - 3/3 \\
&:= ((4^4 - 4) \times (44 - ((4 + 4) / 4))) - 4/4 \\
&:= ((5 \times 5) - (5/5 + 5)) \times (555 + ((5 + 5) / 5)) \\
&:= (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 6/6 \\
&:= ((77 + 7) \times (77 + 7 \times 7)) - 7/7 \\
&:= 8 + (((8 - 8/8) + 8) \times ((8 \times 88) + 8/8)) \\
&:= ((99 + 9) \times (99 - 9/9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10584 &:= (1 + 1) \times ((1 + 11) \times ((11 + (11 - 1))^{1+1})) \\
&:= (2 + 2 + 2) \times ((2 \times 22 - 2)^2) \\
&:= (33 + 3) \times ((3 \times 3 \times 33) - 3) \\
&:= (4^4 - 4) \times (44 - ((4 + 4) / 4)) \\
&:= (55/5 \times (((5 - 5/5)^5) - 5)) - (5^5 / 5) \\
&:= 6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6)) \\
&:= (77 + 7) \times (77 + 7 \times 7) \\
&:= 8 + (((88 \times ((8 \times (8 + 8)) - 8)) + 8) + 8) \\
&:= (99 + 9) \times (99 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10585 &:= 1 + ((1 + 1) \times ((1 + 11) \times ((11 + (11 - 1))^{1+1}))) \\
&:= 2/2 + ((2 + 2 + 2) \times ((2 \times 22 - 2)^2)) \\
&:= 3/3 + ((33 + 3) \times ((3 \times 3 \times 33) - 3)) \\
&:= 44 + (((44/4)^4) - (((4 + 4)^4) + 4)) \\
&:= 5 \times (((5 \times 5^5) - 5) / (5 + 5)) + 555 \\
&:= 6/6 + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\
&:= 7/7 + ((77 + 7) \times (77 + 7 \times 7)) \\
&:= 8 + (((88 \times ((8 \times (8 + 8)) - 8)) + 8/8) + 8) + 8 \\
&:= 9/9 + ((99 + 9) \times (99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10586 &:= (1 + 1) \times (1 + ((1 + 11) \times ((11 + (11 - 1))^{1+1}))) \\
&:= 2 + ((2 + 2 + 2) \times ((2 \times 22 - 2)^2)) \\
&:= 3 + (((33 + 3) \times ((3 \times 3 \times 33) - 3)) - 3/3) \\
&:= ((4 + 4) / 4) + ((4^4 - 4) \times (44 - ((4 + 4) / 4))) \\
&:= 5 + (((5 \times (555 + 5)) + ((5/5 + 5)^5)) + 5) \\
&:= ((6 + 6) / 6) + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\
&:= ((7 + 7) / 7) + ((77 + 7) \times (77 + 7 \times 7)) \\
&:= 8 + (((88 \times ((8 \times (8 + 8)) - 8)) + ((8 + 8) / 8)) + 8) + 8 \\
&:= ((9 + 9) / 9) + ((99 + 9) \times (99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10587 &:= 1 + ((1 + 1) \times (1 + ((1 + 11) \times ((11 + (11 - 1))^{1+1})))) \\
&:= (((2222/22) + 2)^2) - 22 \\
&:= 3 + ((33 + 3) \times ((3 \times 3 \times 33) - 3)) \\
&:= 4 + (((4^4 - 4) \times (44 - ((4 + 4) / 4))) - 4/4) \\
&:= (((5^5 + 5) / 5) \times ((55 + 5) / 5 + 5)) - 55 \\
&:= (6 \times 6 / (6 + 6)) + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\
&:= ((7 + 7 + 7) / 7) + ((77 + 7) \times (77 + 7 \times 7)) \\
&:= 8 + (((88 \times ((8 \times (8 + 8)) - 8)) + (88/8)) + 8) \\
&:= 9 + ((9/9 + (9 \times 9)) \times (((999/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10588 &:= 11111 - (11 + ((1 + 1)^{11-1-1})) \\
&:= (22 \times (22^2 - 2)) - (2^{2+2}) \\
&:= ((33 - 33/3)^3) - (3^3 + 33) \\
&:= 4 + ((4^4 - 4) \times (44 - ((4 + 4) / 4))) \\
&:= 5^5 + (((5/5 + 5)^5) - ((5^5 + 5) / (5 + 5))) \\
&:= 6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - ((6 + 6) / 6)) \\
&:= (77/7) + (((77 + 7) \times (77 + 7 \times 7)) - 7) \\
&:= 8 + (((88 \times ((8 \times (8 + 8)) - 8)) + ((88 + 8) / 8)) + 8) \\
&:= 9999/9 + (9 \times (9 \times (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10589 &:= 1 + (11111 - (11 + ((1 + 1)^{11-1-1}))) \\
&:= 2 + (((2222/22) + 2)^2) - 22 \\
&:= ((33/3)^3) + (((3 \times (3 + 3)) + 3)^3) - 3 \\
&:= 44 + (((44/4)^4) - ((4 + 4)^4)) \\
&:= 5^5 + (((5 - 5^5) / (5 + 5)) + ((5/5 + 5)^5)) \\
&:= 6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 6/6) \\
&:= 7 + (((77 + 7) \times (77 + 7 \times 7)) - ((7 + 7) / 7)) \\
&:= ((8/8 + 88) \times ((888/8) + 8)) - ((8 + 8) / 8) \\
&:= 9 + ((99 \times (99 + 9)) - ((999 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10590 &:= (11 - 1) \times (1 + ((1 + 1) \times ((1 + 11 + 11)^{1+1}))) \\
&:= 2 + ((22 \times (22^2 - 2)) - (2^{2+2})) \\
&:= (33 \times (333 - (3 \times 3 + 3))) - 3 \\
&:= 44 + (((44/4)^4) - ((4 + 4)^4)) + 4/4 \\
&:= 5 \times (((5 \times 5^5) + 5) / (5 + 5)) + 555 \\
&:= 6 + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\
&:= 7 + (((77 + 7) \times (77 + 7 \times 7)) - 7/7) \\
&:= ((8 - 8/8) + 8) \times (((8 + 8) / 8) + (8 \times 88)) \\
&:= 9 + ((99 \times (99 + 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10591 &:= (111^{1+1}) - (1 + (1 + ((1 + 11)^{1+1+1}))) \\
&:= (22 \times (22^2 - 2)) - ((22/2) + 2) \\
&:= 3 + (((33 - 33/3)^3) - (3^3 + 33)) \\
&:= (4 \times (4 + 4)) + ((44 \times (4^4 - 4 \times 4)) - 4/4) \\
&:= ((55 + 5)/5 + 5) \times ((5^5 - (5 + 5))/5) \\
&:= 6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) + 6/6) \\
&:= 7 + ((77 + 7) \times (77 + 7 \times 7)) \\
&:= (8/8 + 88) \times ((888/8) + 8) \\
&:= (99 \times (99 + 9)) - (((9 + 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10592 &:= (111^{1+1}) - (1 + ((1 + 11)^{1+1+1})) \\
&:= (22 \times (22^2 - 2)) - (2 \times (2 + 2 + 2)) \\
&:= ((33/3)^3) + (((3 \times (3 + 3)) + 3)^3) \\
&:= 4 \times (((44 \times (4 \times 4 + 44)) + 4) + 4) \\
&:= (((5 + 5)/5)^5) \times (5 \times 55 + 55 + 5/5) \\
&:= 6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) + ((6 + 6)/6)) \\
&:= 7 + (((77 + 7) \times (77 + 7 \times 7)) + 7/7) \\
&:= ((88 + 8) \times (888/8)) - (8 \times 8) \\
&:= (99 \times (99 + 9)) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10593 &:= (111^{1+1}) - ((1 + 11)^{1+1+1}) \\
&:= (22 \times (22^2 - 2)) - (22/2) \\
&:= 33 \times (333 - (3 \times 3 + 3)) \\
&:= 4 + (((44/4)^4) - ((4 + 4)^4)) + 44 \\
&:= (((55 + 55)/5)^{5 - (5+5)/5}) - 55 \\
&:= 6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) + (6 \times 6/(6 + 6))) \\
&:= 7 + (((77 + 7) \times (77 + 7 \times 7)) + (7 + 7)/7) \\
&:= (8 \times ((8 \times 8 \times 8) - 8)) + (((88/8) - 8)^8) \\
&:= 99 \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10594 &:= 1 + ((111^{1+1}) - ((1 + 11)^{1+1+1})) \\
&:= ((2 - 22)/2) + (22 \times (22^2 - 2)) \\
&:= 3/3 + (33 \times (333 - (3 \times 3 + 3))) \\
&:= 4 + (((44/4)^4) - ((4 + 4)^4)) + 44 + 4/4 \\
&:= 5^5 + (55/5 \times (((5^5 - 5)/5) + 55)) \\
&:= ((66 - 6)/6) + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\
&:= ((77 - 7)/7) + ((77 + 7) \times (77 + 7 \times 7)) \\
&:= 8/8 + ((8 \times ((8 \times 8 \times 8) - 8)) + (((88/8) - 8)^8)) \\
&:= 9/9 + (99 \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10595 &:= 1 + (1 + ((111^{1+1}) - ((1 + 11)^{1+1+1}))) \\
&:= 2 + (22 \times (22^2 - 2)) - (22/2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) + ((33/3)^3) \\
&:= 4^4 \times 44 - (((4/4 + 4)^4) + 44) \\
&:= ((5 \times 5 - 5) \times (555 - 5 \times 5)) - 5 \\
&:= (66/6) + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\
&:= (77/7) + ((77 + 7) \times (77 + 7 \times 7)) \\
&:= (8/8 + (8 \times 8)) \times (((88/8) + 88) + (8 \times 8)) \\
&:= ((9 + 9)/9) + (99 \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10596 &:= (1 + 11) \times (1 + ((1 + 1) \times ((11 + (11 - 1))^{1+1}))) \\
&:= (2 + 2 + 2) \times (((2 \times 22 - 2)^2) + 2) \\
&:= 3 + (33 \times (333 - (3 \times 3 + 3))) \\
&:= 4 + ((44 \times (4^4 - 4 \times 4)) + (4 \times (4 + 4))) \\
&:= 5 + (((55 + 5)/5 + 5) \times ((5^5 - (5 + 5))/5)) \\
&:= 6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) + 6) \\
&:= ((77 + 7)/7) + ((77 + 7) \times (77 + 7 \times 7)) \\
&:= ((88 + 8)/8) \times (((88/8) - (8 + 8)) + 888) \\
&:= ((99 + 9)/9) \times (((9 \times 99) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10597 &:= 11111 - (1 + (1 + ((1 + 1)^{11-1-1}))) \\
&:= 2 + (((22 \times (22^2 - 2)) - (22/2)) + 2) \\
&:= 3 + ((33 \times (333 - (3 \times 3 + 3))) + 3/3) \\
&:= 4 + (((44/4)^4) - ((4 + 4)^4)) + 44 + 4 \\
&:= 5 + (((5 + 5)/5)^5) \times (5 \times 55 + 55 + 5/5) \\
&:= 6 + (((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) + 6/6) + 6) \\
&:= 7 + (((77 + 7) \times (77 + 7 \times 7)) - 7/7) + 7 \\
&:= 888 + (((88/8) + 8) \times ((8 \times 8 \times 8) - 8/8)) \\
&:= 9 + ((9 \times (9 \times (99 + 9 + 9))) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10598 &:= 11111 - (1 + ((1 + 1)^{11-1-1})) \\
&:= (22 \times (22^2 - 2)) - (2 + 2 + 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3)^3) + ((33/3)^3) + 3 \\
&:= 44 + ((44 \times (4^4 - 4 \times 4)) - (((4 + 4)/4) + 4)) \\
&:= ((5 \times 5 - 5) \times (555 - 5 \times 5)) - ((5 + 5)/5) \\
&:= (6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) + ((6 + 6)/6)) \\
&:= 7 + (((77 + 7) \times (77 + 7 \times 7)) + 7) \\
&:= 8 + (((8 - 8/8) + 8) \times (((8 + 8)/8) + (8 \times 8))) \\
&:= 9 + (((99 \times (99 + 9)) - ((999 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10599 &:= 11111 - ((1 + 1)^{11-1-1}) \\
&:= (22 \times (22^2 - 2)) - (2/2 + 2 + 2) \\
&:= 3 + ((33 \times (333 - (3 \times 3 + 3))) + 3) \\
&:= (44444/4) - (4^4 + 4^4) \\
&:= ((5 \times 5 - 5) \times (555 - 5 \times 5)) - 5/5 \\
&:= ((666/6 - 6) \times ((66 - 6/6) + (6 \times 6))) - 6 \\
&:= 7 + (((77 + 7) \times (77 + 7 \times 7)) + 7/7) + 7 \\
&:= (88888/8) - (8 \times 8 \times 8) \\
&:= (99999/9) - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10600 &:= 1 + (11111 - ((1 + 1)^{11-1-1})) \\
&:= (22 \times (22^2 - 2)) - (2 + 2) \\
&:= ((3 \times 3) - 3/3) \times (((33/3)^3) - (3 + 3)) \\
&:= 44 + ((44 \times (4^4 - 4 \times 4)) - 4) \\
&:= (5 \times 5 - 5) \times (555 - 5 \times 5) \\
&:= 6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) + ((66 - 6)/6)) \\
&:= (7/7 + (7 \times 7)) \times (((77 + 7)/7)^7) + 77 + 7 \\
&:= 8 + (((88 + 8) \times (888/8)) - (8 \times 8)) \\
&:= (99/9 + 9) \times (((9 + 9)/9)^9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10601 &:= 1 + (1 + (11111 - ((1 + 1)^{11-1-1}))) \\
&:= (22 \times (22^2 - 2)) - (2/2 + 2) \\
&:= 3 \times 3 + (((3 \times (3 + 3)) + 3)^3) + ((33/3)^3) \\
&:= 44 + (((44 \times (4^4 - 4 \times 4)) - 4) + 4/4) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 \times (55 + 5))) \\
&:= 6 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) + (66/6)) \\
&:= 7 + (((77 + 7) \times (77 + 7 \times 7)) + ((77 - 7)/7)) \\
&:= (((888/8) - 8)^{(8+8)/8}) - 8 \\
&:= 9 + ((99 \times (99 + 9)) - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10602 &:= (1 + 1) \times ((11 \times (((11 + 11)^{1+1}) - (1 + 1))) - 1) \\
&:= (22 \times (22^2 - 2)) - 2 \\
&:= 3 \times ((3333 + (33 \times (3 + 3))) + 3) \\
&:= 44 + ((44 \times (4^4 - 4 \times 4)) - ((4 + 4)/4)) \\
&:= ((5 + 5)/5) + ((5 \times 5 - 5) \times (555 - 5 \times 5)) \\
&:= 6 + (((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) + 6) + 6) \\
&:= (77/7 + 7) \times ((7 \times (77 + 7)) + 7/7) \\
&:= 8/8 + (((888/8) - 8)^{(8+8)/8}) - 8 \\
&:= 9 + (99 \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10603 &:= ((1 + 1) \times (11 \times (((11 + 11)^{1+1}) - (1 + 1)))) - 1 \\
&:= (22 \times (22^2 - 2)) - 2/2 \\
&:= 3 + (((3 \times 3) - 3/3) \times (((33/3)^3) - (3 + 3))) \\
&:= 44 + ((44 \times (4^4 - 4 \times 4)) - 4/4) \\
&:= (((5^5 - 5)/5) \times ((55 + 5)/5 + 5)) - 5 \\
&:= (((6 \times 6 + 66) + 6/6)^{(6+6)/6}) - 6 \\
&:= 7 + (((77 + 7) \times (77 + 7 \times 7)) + ((77 + 7)/7)) \\
&:= 8 + ((8/8 + (8 \times 8)) \times (((88/8) + 88) + (8 \times 8))) \\
&:= 9 + ((99 \times ((99 - 9/9) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10604 &:= (1 + 1) \times (11 \times (((11 + 11)^{1+1}) - (1 + 1))) \\
&:= 22 \times (22^2 - 2) \\
&:= (33/3) + (33 \times (333 - (3 \times 3 + 3))) \\
&:= 44 + (44 \times (4^4 - 4 \times 4)) \\
&:= (55/5) \times (((5 - 5/5)^5) - (55 + 5)) \\
&:= 6 + ((6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) + ((6 + 6)/6))) \\
&:= ((7 + 7) \times (777 - 7 - 7)) - (7/7 + 77) \\
&:= (88/((8 + 8)/8)) + (88 \times ((8 \times (8 + 8)) - 8)) \\
&:= (99/9) + (99 \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10605 &:= 1 + ((1 + 1) \times (11 \times (((11 + 11)^{1+1}) - (1 + 1)))) \\
&:= 2/2 + (22 \times (22^2 - 2)) \\
&:= (3^3 \times ((33 \times (3 \times 3 + 3)) - 3)) - (3 + 3) \\
&:= 44 + ((44 \times (4^4 - 4 \times 4)) + 4/4) \\
&:= 5 + ((5 \times 5 - 5) \times (555 - 5 \times 5)) \\
&:= (666/6 - 6) \times ((66 - 6/6) + (6 \times 6)) \\
&:= ((7 + 7) \times (777 - 7 - 7)) - 77 \\
&:= ((8 - 8/8) + 8) \times (((8 \times 88) - 8) + (88/8)) \\
&:= 9 + (((99 + 9)/9) \times (((9 \times 99) - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10606 &:= (1 + 1) \times (1 + (11 \times (((11 + 11)^{1+1}) - (1 + 1)))) \\
&:= 2 + (22 \times (22^2 - 2)) \\
&:= ((33 - 33/3)^3) - (3 \times 3 + 33) \\
&:= 44 + ((44 \times (4^4 - 4 \times 4)) + ((4 + 4)/4)) \\
&:= 55 + ((5 \times 555) + ((5/5 + 5)^5)) \\
&:= ((66 + 66)/6) + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\
&:= 7/7 + (((7 + 7) \times (777 - 7 - 7)) - 77) \\
&:= ((88 - 8/8) \times ((888 + 88)/8)) - 8 \\
&:= ((9 - 99)/(9 + 9)) + ((99 \times (99 + 9)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10607 &:= ((1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1}) - (1 + 1) \\
&:= 2 + ((22 \times (22^2 - 2)) + 2/2) \\
&:= (3^3 \times ((33 \times (3 \times 3 + 3)) - 3)) - (3/3 + 3) \\
&:= 4 + (((44 \times (4^4 - 4 \times 4)) - 4/4) + 44) \\
&:= (((5 + 5)/5 + 5)^5) + ((5 + 5) \times (5 - (5^5/5))) \\
&:= (66666/6) - ((6 + 6) \times (6 \times 6 + 6)) \\
&:= 77 + ((7/7 + 77) \times (((7 + 7)/7)^7 + 7)) \\
&:= 8 + ((88888/8) - (8 \times 8 \times 8)) \\
&:= ((9 - (9 \times 9))/(9 + 9)) + ((99 \times (99 + 9)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10608 &:= ((1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1}) - 1 \\
&:= 2 + ((22 \times (22^2 - 2)) + 2) \\
&:= (3^3 \times ((33 \times (3 \times 3 + 3)) - 3)) - 3 \\
&:= 4 + ((44 \times (4^4 - 4 \times 4)) + 44) \\
&:= ((5^5 - 5)/5) \times ((55 + 5)/5 + 5) \\
&:= ((6 + 6)/6 + 6) \times ((6 \times (6 \times 6 \times 6 + 6)) - 6) \\
&:= (7/7 + 77) \times (((7 + 7)/7)^7 + 7/7 + 7) \\
&:= 8 \times 8 + ((88 \times ((8 \times (8 + 8)) - 8)) - (8 + 8)) \\
&:= 9 + ((99999/9) - ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10609 &:= (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1} \\
&:= ((2222/22) + 2)^2 \\
&:= (((3 \times 33) + 3/3) + 3)^{3-3/3} \\
&:= ((44/4)^4) + (4 \times (4 \times (4 - 4^4))) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5) - (55 + 5))) \\
&:= ((6 \times 6 + 66) + 6/6)^{(6+6)/6} \\
&:= (((777 - 7)/7) - 7)^{(7+7)/7} \\
&:= ((888/8) - 8)^{(8+8)/8} \\
&:= (((999 + 9)/9) - 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10610 &:= 1 + ((1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1}) \\
&:= 2 + (((22 \times (22^2 - 2)) + 2) + 2) \\
&:= (3^3 \times ((33 \times (3 \times 3 + 3)) - 3)) - 3/3 \\
&:= 4/4 + ((4 \times (4 \times (4 - 4^4))) + ((44/4)^4)) \\
&:= 5 + (((5 \times 5 - 5) \times (555 - 5 \times 5)) + 5) \\
&:= 6/6 + (((6 \times 6 + 66) + 6/6)^{(6+6)/6}) \\
&:= 7/7 + (((777 - 7)/7) - 7)^{(7+7)/7} \\
&:= 8/8 + (((888/8) - 8)^{(8+8)/8}) \\
&:= (99 \times (99 + 9)) - (9/9 + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10611 &:= 1 + (1 + ((1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1})) \\
&:= 2 + (((2222/22) + 2)^2) \\
&:= 3^3 \times ((33 \times (3 \times 3 + 3)) - 3) \\
&:= ((4 - 4/4)^4) \times (((444/4) + 4 \times 4) + 4) \\
&:= 5 + (((5 \times 555) + ((5/5 + 5)^5)) + 55) \\
&:= 6 + ((666/6 - 6) \times ((66 - 6/6) + (6 \times 6))) \\
&:= 7 + (((7 + 7) \times (777 - 7 - 7)) - (7/7 + 77)) \\
&:= ((8 + 8)/8) + (((888/8) - 8)^{(8+8)/8}) \\
&:= (99 \times (99 + 9)) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10612 &:= 1 + (1 + (1 + (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1}))) \\
&:= 2 \times ((222 \times (22 + 2)) - 22) \\
&:= ((33 - 33/3)^3) - (33 + 3) \\
&:= 4 \times (((((4 - 4/4) + 4)^4) - 4) + 4^4) \\
&:= 55 + (((((5 + 5)/5) + 5)^5) - (5^5 + 5^5)) \\
&:= (((66 + 66)/6)^{6 \times 6/(6+6)}) - (6 \times 6) \\
&:= 7 + (((7 + 7) \times (777 - 7 - 7)) - 77) \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8)) + (88/((8 + 8)/8))) \\
&:= 9/9 + ((99 \times (99 + 9)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10613 &:= 1 + (1 + (1 + (1 + (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1})))) \\
&:= 2 + (((2222/22) + 2)^2) + 2) \\
&:= 3 + (3^3 \times ((33 \times (3 \times 3 + 3)) - 3)) - 3/3) \\
&:= 4 + ((4 \times (4 \times (4 - 4^4))) + ((44/4)^4)) \\
&:= 5 + (((5^5 - 5)/5) \times ((55 + 5)/5 + 5)) \\
&:= (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) - (6/6 + 6) \\
&:= 7 + (((7 + 7) \times (777 - 7 - 7)) - 77) + 7/7) \\
&:= 8 \times 8 + ((88 \times ((8 \times (8 + 8)) - 8)) - 88/8) \\
&:= ((9 + 9)/9) + ((99 \times (99 + 9)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10614 &:= (1 + (11^{1+1})) \times (111 - ((1 + 1) \times (1 + 11))) \\
&:= 2 + ((22 \times (22^2 - 2)) + (2 \times (2 + 2))) \\
&:= 3 + (3^3 \times ((33 \times (3 \times 3 + 3)) - 3)) \\
&:= (((4^4 + 4)/4) - 4) \times ((4 \times 44) - ((4 + 4)/4)) \\
&:= ((5 + 5)^{5-5/5}) + ((5^5 - 55)/5) \\
&:= (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) - 6 \\
&:= (7 \times (7 - 77)) + ((7777/7) - 7) \\
&:= (88 - 8/8) \times ((888 + 88)/8) \\
&:= ((9 + 9 + 9)/9) + ((99 \times (99 + 9)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10615 &:= 11 \times (((1 + 1) \times (((11 + 11)^{1+1}) - 1)) - 1) \\
&:= (22/2) + (22 \times (22^2 - 2)) \\
&:= ((33 - 33/3)^3) - 33 \\
&:= 44 + ((44 \times (4^4 - 4 \times 4)) + 44/4) \\
&:= 5^5 + ((5 \times (5 \times (5 \times (55 + 5)))) - (5 + 5)) \\
&:= 6 + (((6 \times 6 + 66) + 6/6)^{(6+6)/6}) \\
&:= 7 + ((7/7 + 77) \times (((((7 + 7)/7)^7) + 7/7) + 7)) \\
&:= 8 + (((88888/8) - (8 \times 8 \times 8)) + 8) \\
&:= (99/9) \times (((9 \times (99 + 9)) - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10616 &:= 1 + (11 \times (((1 + 1) \times (((11 + 11)^{1+1}) - 1)) - 1)) \\
&:= (22^{2/2+2}) - (2 \times (2^{2+2})) \\
&:= 3/3 + (((33 - 33/3)^3) - 33) \\
&:= (4 + 4) \times (((44/4)^{4-4/4}) - 4) \\
&:= 5^5 + (55/5 \times (((5^5 + 5)/5) + 55)) \\
&:= 6 + (((6 \times 6 + 66) + 6/6)^{(6+6)/6}) + 6/6) \\
&:= 7 + (((777 - 7)/7) - 7)^{(7+7)/7}) \\
&:= 8 \times 8 + ((88 \times ((8 \times (8 + 8)) - 8)) - 8) \\
&:= (9 \times (9 \times 9)) + (9999 - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10617 &:= 1 + (1 + (11 \times (((1 + 1) \times (((11 + 11)^{1+1}) - 1)) - 1))) \\
&:= 2 + ((22 \times (22^2 - 2)) + (22/2)) \\
&:= 3 + (3^3 \times ((33 \times (3 \times 3 + 3)) - 3)) + 3) \\
&:= (((4 \times 4) + 4/4) \times ((4/4 + 4)^4)) - (4 + 4) \\
&:= (((5^5 + 5)/5) \times ((55 + 5)/5 + 5)) - (5 \times 5) \\
&:= (66 \times 6/(6 + 6)) + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\
&:= (((7 + 7)/7)^7) \times ((77 - 7/7) + 7) - 7 \\
&:= 8 + (((888/8) - 8)^{(8+8)/8}) \\
&:= (9 \times (9 \times 9)) + (9999 - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10618 &:= ((11 + 11)^{1+1+1}) - ((11 - 1) \times (1 + 1 + 1)) \\
&:= 2 + ((22^{2/2+2}) - (2 \times (2^{2+2}))) \\
&:= 3 + (((33 - 33/3)^3) - 33) \\
&:= 4 + (((4^4 + 4)/4) - 4) \times ((4 \times 44) - ((4 + 4)/4)) \\
&:= 5 + (((5^5 - 5)/5) \times ((55 + 5)/5 + 5)) + 5) \\
&:= (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) - ((6 + 6)/6) \\
&:= 7/7 + (((7 + 7)/7)^7) \times ((77 - 7/7) + 7) - 7) \\
&:= 8 + (((888/8) - 8)^{(8+8)/8}) + 8/8) \\
&:= 9 + (((999 + 9)/9) - 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10619 &:= 11 + (((1 + (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1}) - 1) \\
&:= 2 + ((22 \times (22^2 - 2)) + (22/2) + 2) \\
&:= 3 + (((33 - 33/3)^3) - 33) + 3/3) \\
&:= ((4/4 - 4) + 44) \times ((4^4 - 4/4) + 4) \\
&:= ((5^5 - 5)/5) + (((5 + 5)^{5-5/5}) - 5) \\
&:= (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) - 6/6 \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77))) - (7 + 7) \\
&:= 8 + (((888/8) - 8)^{(8+8)/8}) + ((8 + 8)/8)) \\
&:= 9 + ((99 \times (99 + 9)) - (9/9 + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10620 &:= 11 + ((1 + (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1}) \\
&:= (2^{2+2}) + (22 \times (22^2 - 2)) \\
&:= (3 \times 3 + 3) \times ((33 \times 3^3) - (3 + 3)) \\
&:= ((44/4) + 4) \times ((4 \times 4 \times 44) + 4) \\
&:= 5^5 + ((5 \times (5 \times (5 \times (55 + 5)))) - 5) \\
&:= 6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6) \\
&:= ((77 - 7)/7) \times ((7777/7) - (7 \times 7)) \\
&:= 88/8 + (((888/8) - 8)^{(8+8)/8}) \\
&:= 9 + ((99 \times (99 + 9)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10621 &:= 1 + (11 + ((1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1})) \\
&:= 2/2 + ((22 \times (22^2 - 2)) + (2^{2+2})) \\
&:= ((33 - 33/3)^3) - 3^3 \\
&:= (((4 \times 4) + 4/4) \times ((4/4 + 4)^4)) - 4 \\
&:= 5^5 + (((5/5 + 5)^5) - (5 \times 55 + 5)) \\
&:= 6/6 + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) \\
&:= (7 \times (7 - 77)) + (77777/7) \\
&:= ((88/8) \times (((88 \times 88) - 8)/8)) - (8 + 8) \\
&:= 9 + (((99 \times (99 + 9)) - (9 \times 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10622 &:= (1 + 1) \times ((11 \times (((11 + 11)^{1+1}) - 1)) - (1 + 1)) \\
&:= (22^{2/2+2}) - (22 + 2 + 2) \\
&:= 3/3 + (((33 - 33/3)^3) - 3^3) \\
&:= 4/4 + (((4 \times 4) + 4/4) \times ((4/4 + 4)^4)) - 4 \\
&:= ((5 + 5)^{5-5/5}) + (((5^5 + 5 + 5)/5) - 5) \\
&:= ((6 + 6)/6) + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) \\
&:= ((7 + 7)/7) \times ((7 \times 777) - (((7 + 7)/7)^7)) \\
&:= 8 + ((88 - 8/8) \times ((888 + 88)/8)) \\
&:= (99/9) + ((99 \times (99 + 9)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10623 &:= ((11 + 11)^{1+1+1}) - (1 + (1 + 1) \times (1 + 11)) \\
&:= (22^{2/2+2}) - ((22 + 2/2) + 2) \\
&:= (333 \times (33 - 3/3)) - 33 \\
&:= ((4^4 - 4)/4) + (44 \times (4^4 - 4 \times 4)) \\
&:= ((5^5 - (5 + 5))/5) + ((5 + 5)^{5-5/5}) \\
&:= (6 \times 6/(6 + 6)) + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) \\
&:= 7 + (((((777 - 7)/7) - 7)^{(7+7)/7}) + 7) \\
&:= 8 \times 8 + ((88 \times ((8 \times (8 + 8)) - 8)) - 8/8) \\
&:= ((99 + 9)/9) + ((99 \times (99 + 9)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10624 &:= (1 + 1) \times ((11 \times (((11 + 11)^{1+1}) - 1)) - 1) \\
&:= (22^{2/2+2}) - (22 + 2) \\
&:= 3 + (((33 - 33/3)^3) - 3^3) \\
&:= 4 \times ((44 \times ((4 \times 4) + 44)) + 4 \times 4) \\
&:= ((5^5 - 5)/5) + ((5 + 5)^{5-5/5}) \\
&:= (((66 - 6)/6) + 6) \times (666 - ((6 + 6)/6)) \\
&:= (((7 + 7)/7)^7) \times ((77 - 7/7) + 7) \\
&:= 8 \times ((88 \times ((8 - 8/8) + 8)) + 8) \\
&:= 9 + ((99/9) \times (((9 \times (99 + 9)) - 9) + ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10625 &:= ((11 + 11)^{1+1+1}) - (1 + 11 + 11) \\
&:= (22^{2/2+2}) - (22 + 2/2) \\
&:= (33 \times (333 - 33/3)) - 3/3 \\
&:= ((4 \times 4) + 4/4) \times ((4/4 + 4)^4) \\
&:= 5 \times (5 \times (5 \times ((5 \times 5 + 55) + 5))) \\
&:= 6 + ((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) - 6/6) \\
&:= 7/7 + (((((7 + 7)/7)^7) \times ((77 - 7/7) + 7)) \\
&:= 8 + (((888/8) - 8)^{(8+8)/8}) + 8) \\
&:= (99999/9) - ((9 + 9) \times (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10626 &:= (1 + 1) \times (11 \times (((11 + 11)^{1+1}) - 1)) \\
&:= 22 \times (22^2 - 2/2) \\
&:= 33 \times (333 - 33/3) \\
&:= 4/4 + (((4 \times 4) + 4/4) \times ((4/4 + 4)^4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 \times 55)) \\
&:= 6 + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) \\
&:= (7 + 7) \times (777 - (77/7 + 7)) \\
&:= (88/8) \times (((88 \times 88) - (8 + 8))/8) \\
&:= 9 + ((9999 - (999/9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10627 &:= 11111 - ((11 + 11)^{1+1}) \\
&:= 2/2 + (22 \times (22^2 - 2/2)) \\
&:= 3 + (((33 - 33/3)^3) - 3^3) + 3 \\
&:= (4 \times (((4 - 4/4) + 4)^4) + 4^4) - 4/4 \\
&:= ((5 + 5)^{5-5/5}) + ((5^5 + 5 + 5)/5) \\
&:= 6 + ((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) + 6/6) \\
&:= 7/7 + ((7 + 7) \times (777 - (77/7 + 7))) \\
&:= 8/8 + ((88/8) \times (((88 \times 88) - (8 + 8))/8)) \\
&:= 9 + (((((999 + 9)/9) - 9)^{(9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10628 &:= 1 + (11111 - ((11 + 11)^{1+1})) \\
&:= 2 + (22 \times (22^2 - 2/2)) \\
&:= 3 + ((33 \times (333 - 33/3)) - 3/3) \\
&:= 4 \times (((4 - 4/4) + 4)^4) + 4^4 \\
&:= 5 + (((5^5 - (5 + 5))/5) + ((5 + 5)^{5-5/5})) \\
&:= 6 + ((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) + ((6 + 6)/6)) \\
&:= 7 + ((77777/7) + (7 \times (7 - 77))) \\
&:= (((88 + 8)/8) \times (888 - 8/8)) - (8 + 8) \\
&:= 9 + (((99 \times (99 + 9)) - (9/9 + (9 \times 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10629 &:= 1 + (1 + (11111 - ((11 + 11)^{1+1}))) \\
&:= 2 + ((22 \times (22^2 - 2/2)) + 2/2) \\
&:= 3 + (33 \times (333 - 33/3)) \\
&:= 4 + (((4 \times 4) + 4/4) \times ((4/4 + 4)^4)) \\
&:= 5 + (((5 + 5)^{5-5/5}) + ((5^5 - 5)/5)) \\
&:= (((666/6 - 6)^{(6+6)/6}) - (6 \times 66)) \\
&:= 7 + (((7 + 7)/7) \times ((7 \times 777) - (((7 + 7)/7)^7))) \\
&:= ((88/8) \times (((88 \times 88) - 8)/8)) - 8 \\
&:= 9 + (((99 \times (99 + 9)) - (9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10630 &:= (1 + 1) \times (1 + (1 + (11 \times (((11 + 11)^{1+1}) - 1)))) \\
&:= 2 + ((22 \times (22^2 - 2/2)) + 2) \\
&:= ((33 - 33/3)^3) - (3 \times (3 + 3)) \\
&:= 4 + (((4 \times 4) + 4/4) \times ((4/4 + 4)^4)) + 4/4 \\
&:= 5 + ((5 \times (5 \times (5 \times (55 + 5)))) + 5^5) \\
&:= 6 + (((66 - 6)/6) + 6) \times (666 - ((6 + 6)/6)) \\
&:= 7 + (((((777 - 7)/7) - 7)^{(7+7)/7}) + 7) + 7) \\
&:= 8 + (((88 - 8/8) \times ((888 + 88)/8)) + 8) \\
&:= 9 + (((99 \times (99 + 9)) - (9 \times 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10631 &:= (((1+1)^{1+1+1}) \times ((11^{1+1+1}) - (1+1))) - 1 \\
&:= 22 + (((2222/22) + 2)^2) \\
&:= 3/3 + (((33 - 33/3)^3) - (3 \times (3+3))) \\
&:= 4^4 \times 44 - (((4/4 + 4)^4) + 4) + 4 \\
&:= 5 + (((5/5 + 5)^5) - (5 \times 55)) + 5^5 \\
&:= (66/6) + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) \\
&:= 7 + (((7+7)/7)^7) \times ((77 - 7/7) + 7) \\
&:= 8 + (((88 \times ((8 \times (8+8)) - 8)) - 8/8) + (8 \times 8)) \\
&:= 9 + (((99 \times (99+9)) - (9 \times 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10632 &:= ((1+1)^{1+1+1}) \times ((11^{1+1+1}) - (1+1)) \\
&:= (22^{2/2+2}) - (2^{2+2}) \\
&:= 3 + ((33 \times (333 - 33/3)) + 3) \\
&:= 4 + (4 \times (((4 - 4/4) + 4)^4) + 4^4) \\
&:= 5 + (((5+5)^{5-5/5}) + ((5^5 + 5+5)/5)) \\
&:= 6 + ((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) + 6) \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77))) - 7/7 \\
&:= 8 + ((88 \times ((8 \times (8+8)) - 8)) + (8 \times 8)) \\
&:= 9 + (((99 \times (99+9)) - (9 \times 9)) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10633 &:= 1 + (((1+1)^{1+1+1}) \times ((11^{1+1+1}) - (1+1))) \\
&:= 2/2 + (((22^{2/2+2}) - (2^{2+2})) \\
&:= 3 + (((33 - 33/3)^3) - (3 \times (3+3))) \\
&:= 4 + (((4 \times 4) + 4/4) \times ((4/4 + 4)^4) + 4) \\
&:= 5 \times 5 + (((5^5 - 5)/5) \times ((55+5)/5 + 5)) \\
&:= (6/6 + 6) \times (((6 \times (6 \times (6 \times 6 + 6))) + 6/6) + 6) \\
&:= 7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77)) \\
&:= 8 + (((((888/8) - 8)^{(8+8)/8}) + 8) + 8) \\
&:= (99 \times (99+9)) + (((99+99)/9) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10634 &:= (1+1) \times ((11 \times 111) + ((1+1)^{1+1+1})) \\
&:= 2 + ((22^{2/2+2}) - (2^{2+2})) \\
&:= ((33 - 33/3)^3) - (33/3 + 3) \\
&:= 4^4 \times 44 - (((4/4 + 4)^4) + 4/4) + 4 \\
&:= 5 + (((5+5)^{5-5/5}) + ((5^5 - 5)/5) + 5) \\
&:= (((66 - 6)/6) + 6) \times (666 - 6/6) - 6 \\
&:= 7/7 + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77))) \\
&:= 8 + ((88/8) \times (((88 \times 88) - (8+8))/8)) \\
&:= 9 + ((99999/9) - ((9+9) \times (9+9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10635 &:= ((11+11)^{1+1+1}) - (1+1+11) \\
&:= (22^{2/2+2}) - ((22/2) + 2) \\
&:= 3 \times 3 + (33 \times (333 - 33/3)) \\
&:= 4^4 \times 44 - (((4/4 + 4)^4) + 4) \\
&:= 5 + (((5 \times (5 \times (5 \times (55+5)))) + 5^5) + 5) \\
&:= 6 + (((666/6 - 6)^{(6+6)/6}) - (6 \times 66)) \\
&:= ((7+7)/7) + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77))) \\
&:= 8 \times 8 + ((88 \times ((8 \times (8+8)) - 8)) + (88/8)) \\
&:= (9 \times ((9 \times 9) - 9)) + (9999 - ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10636 &:= ((11+11)^{1+1+1}) - 11 - 1 \\
&:= (22^{2/2+2}) - (2 \times (2+2+2)) \\
&:= ((33 - 33/3)^3) - (3 \times 3 + 3) \\
&:= 4 + ((4 \times (((4 - 4/4) + 4)^4) + 4^4)) + 4 \\
&:= ((55 + 5^5)/5) + ((5+5)^{5-5/5}) \\
&:= (((66 + 66)/6)^{6 \times 6/(6+6)}) - (6+6) \\
&:= ((7+7)/7) \times (((7 \times 777) - (((7+7)/7)^7)) + 7) \\
&:= (((88+8)/8) \times (888 - 8/8)) - 8 \\
&:= (9 \times ((9 \times 9) - 9)) + (9999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10637 &:= ((11+11)^{1+1+1}) - 11 \\
&:= (22^{2/2+2}) - (22/2) \\
&:= ((33 - 33/3)^3) - (33/3) \\
&:= 4 + (((4 \times 4) + 4/4) \times ((4/4 + 4)^4) + 4) + 4 \\
&:= 5^5 + (((55+5)/5) \times ((5^5 + 5)/5)) \\
&:= 6 + ((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) + (66/6)) \\
&:= 77/7 \times ((77 \times (7+7)) - (777/7)) \\
&:= (88/8) \times (((88 \times 88) - 8)/8) \\
&:= (9 \times ((9 \times 9) - 9)) + (9999 - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10638 &:= 1 + (((11+11)^{1+1+1}) - 11) \\
&:= ((2 - 22)/2) + (22^{2/2+2}) \\
&:= 3 \times ((3333 - 3) + ((3+3)^3)) \\
&:= 4^4 \times 44 - (((4/4 + 4)^4) + 4/4) \\
&:= (55/5 \times ((5 - 5/5)^5)) - ((5^5 + 5)/5) \\
&:= 6 + (((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) + 6) + 6) \\
&:= 7 + (((7+7)/7)^7) \times ((77 - 7/7) + 7) + 7 \\
&:= 8/8 + ((88/8) \times (((88 \times 88) - 8)/8)) \\
&:= (9 \times ((9 \times 9) - 9)) + (9999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10639 &:= 1 + (1 + (((11+11)^{1+1+1}) - 11)) \\
&:= 2 + ((22^{2/2+2}) - (22/2)) \\
&:= ((33 - 33/3)^3) - (3 \times 3) \\
&:= 4^4 \times 44 - ((4/4 + 4)^4) \\
&:= (55/5 \times ((5 - 5/5)^5)) - (5^5/5) \\
&:= 6 + ((6/6 + 6) \times (((6 \times (6 \times (6 \times 6 + 6))) + 6/6) + 6)) \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77))) - 7/7) \\
&:= 8 \times 8 + (((8 - 8/8) + 8) \times ((8 \times 88) + 8/8)) \\
&:= (((99+99)/9)^{(9+9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10640 &:= ((1+1)^{1+1+1}) \times ((11^{1+1+1}) - 1) \\
&:= (22^{2/2+2}) - (2 \times (2+2)) \\
&:= 3 + (((33 - 33/3)^3) - 33/3) \\
&:= 4 \times (4 \times (((4/4 + 4)^4) - 4) + 44) \\
&:= (555 + 5) \times ((5 \times 5) - (5/5 + 5)) \\
&:= (((66 - 6)/6) + 6) \times (666 - 6/6) \\
&:= 7 + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77))) \\
&:= 88 + ((88 \times ((8 \times (8+8)) - 8)) - 8) \\
&:= (9/9 + 9) \times ((9 \times (99+9+9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10641 &:= 1 + (((1+1)^{1+1+1}) \times ((11^{1+1+1}) - 1)) \\
&:= 2 + (((22^{2/2+2}) - (22/2)) + 2) \\
&:= 3 + (3 \times ((3333 - 3) + ((3+3)^3))) \\
&:= 4 \times 4 + (((4 \times 4) + 4/4) \times ((4/4 + 4)^4)) \\
&:= 5 + (((55 + 5^5)/5) + ((5+5)^{5-5/5})) \\
&:= 6/6 + (((66 - 6)/6) + 6) \times (666 - 6/6) \\
&:= (((7/7 + 7) + 7) + 7)^{(7+7+7)/7} - 7 \\
&:= 8/8 + (((88 \times ((8 \times (8+8)) - 8)) - 8) + 88) \\
&:= (9 \times (9 \times 9)) + ((99 \times 99) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10642 &:= ((11+11)^{1+1+1}) - ((1+1) \times (1+1+1)) \\
&:= (22^{2/2+2}) - (2+2+2) \\
&:= ((33 - 33/3)^3) - (3+3) \\
&:= ((4 \times 4) + 4/4) \times (((4/4 + 4)^4) + 4/4) \\
&:= ((5^5 + 5)/5) \times ((55 + 5)/5 + 5) \\
&:= (((66 + 66)/6)^{6 \times 6/(6+6)}) - 6 \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77))) + (7+7)/7) \\
&:= 8 + (((88/8) \times ((88 \times 88) - (8+8)/8)) + 8) \\
&:= (99 \times (99+9)) - (((9 \times 99) + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10643 &:= ((11+11)^{1+1+1}) - (1+1+1+1+1) \\
&:= (22^{2/2+2}) - (2/2+2+2) \\
&:= 3/3 + (((33 - 33/3)^3) - (3+3)) \\
&:= 4 + ((4^4 \times 44) - ((4/4 + 4)^4)) \\
&:= (((55 + 55)/5)^{5-(5+5)/5}) - 5 \\
&:= (66666/6) - (6 \times ((66 + 6) + 6)) \\
&:= 77 + ((77/7 + 7) \times ((7 \times (77 + 7)) - 7/7)) \\
&:= (((88 + 8)/8) \times (888 - 8/8)) - 8/8 \\
&:= (99 \times (99+9)) + ((9 - (9 \times 99))/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10644 &:= ((11+11)^{1+1+1}) - (1+1+1+1) \\
&:= (22^{2/2+2}) - (2+2) \\
&:= ((33 - 33/3)^3) - (3/3+3) \\
&:= (44 \times (4^4 - 4)) - 444 \\
&:= 5 + ((55/5 \times ((5 - 5/5)^5)) - (5^5/5)) \\
&:= 66 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 6) \\
&:= (77/7) + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77))) \\
&:= ((88 + 8)/8) \times (888 - 8/8) \\
&:= 9 \times 9 + (((99+9)/9) + 9) \times (((9+9)/9)^9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10645 &:= ((11+11)^{1+1+1}) - (1+1+1) \\
&:= (22^{2/2+2}) - (2/2+2) \\
&:= ((33 - 33/3)^3) - 3 \\
&:= 4/4 + ((44 \times (4^4 - 4)) - 444) \\
&:= 5 + ((555 + 5) \times ((5 \times 5) - (5/5 + 5))) \\
&:= 6 \times 6 + (((6 \times 6 + 66) + 6/6)^{(6+6)/6}) \\
&:= ((7+7) \times (777 - 7)) - (((7+7)/7)^7) + 7 \\
&:= 8 + ((88/8) \times (((88 \times 88) - 8)/8)) \\
&:= (9 \times ((9 \times 9) - 9)) + (9999 - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10646 &:= ((11+11)^{1+1+1}) - (1+1) \\
&:= (22^{2/2+2}) - 2 \\
&:= 3/3 + (((33 - 33/3)^3) - 3) \\
&:= 4 + (((4 \times 4) + 4/4) \times (((4/4 + 4)^4) + 4/4)) \\
&:= 5^5 + (((5/5 + 5)^5) - 5) + (5 \times (5 - 55)) \\
&:= 6 + (((66 - 6)/6) + 6) \times (666 - 6/6) \\
&:= 7 + (((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77))) - 7/7) + 7) \\
&:= 88 + ((88 \times ((8 \times (8+8)) - 8)) - ((8+8)/8)) \\
&:= (9 \times ((9 \times 9) - 9)) + (9999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10647 &:= ((11+11)^{1+1+1}) - 1 \\
&:= (22^{2/2+2}) - 2/2 \\
&:= 3 \times (3333 + ((3+3)^3)) \\
&:= 4 + (((4^4 \times 44) - ((4/4 + 4)^4)) + 4) \\
&:= 5 + (((5^5 + 5)/5) \times ((55 + 5)/5 + 5)) \\
&:= (((66 + 66)/6)^{6 \times 6/(6+6)}) - 6/6 \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77))) + 7) \\
&:= 88 + ((88 \times ((8 \times (8+8)) - 8)) - 8/8) \\
&:= (9 \times ((9 \times 9) - 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10648 &:= (11+11)^{1+1+1} \\
&:= 22^{2/2+2} \\
&:= (33 - 33/3)^3 \\
&:= (4+4) \times ((44/4)^{4-4/4}) \\
&:= ((55 + 55)/5)^{5-(5+5)/5} \\
&:= ((66 + 66)/6)^{6 \times 6/(6+6)} \\
&:= (((7/7 + 7) + 7) + 7)^{(7+7+7)/7} \\
&:= 8 \times ((88/8)^{88/8-8}) \\
&:= ((99 + 99)/9)^{(9+9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10649 &:= 1 + ((11+11)^{1+1+1}) \\
&:= 2/2 + (22^{2/2+2}) \\
&:= 3/3 + ((33 - 33/3)^3) \\
&:= 4/4 + ((4+4) \times ((44/4)^{4-4/4})) \\
&:= 5 \times 5 + (((5+5)^{5-5/5}) + ((5^5 - 5)/5)) \\
&:= 66 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) - 6/6) \\
&:= 7/7 + (((7/7 + 7) + 7) + 7)^{(7+7+7)/7} \\
&:= 8/8 + ((88 \times ((8 \times (8+8)) - 8)) + 88) \\
&:= 9/9 + (((99+99)/9)^{(9+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10650 &:= 1 + (1 + ((11+11)^{1+1+1})) \\
&:= 2 + (22^{2/2+2}) \\
&:= 3 + (3 \times (3333 + ((3+3)^3))) \\
&:= (((4+4)/4) + 4) \times ((4 \times 444) - 4/4) \\
&:= 5 \times ((5 \times (5 \times ((5 \times 5 + 55) + 5))) + 5) \\
&:= 66 + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\
&:= (77 - ((7+7)/7)) \times (((7+7)/7)^7) + 7 + 7 \\
&:= 88 + ((88 \times ((8 \times (8+8)) - 8)) + ((8+8)/8)) \\
&:= 9 + ((99 \times 99) + (999/9)) + (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10651 &:= 1 + (1 + (1 + ((11 + 11)^{1+1+1}))) \\
&:= 2 + ((22^{2/2+2}) + 2/2) \\
&:= 3 + ((33 - 33/3)^3) \\
&:= (444 \times ((4 \times 4 + 4) + 4)) - (4/4 + 4) \\
&:= 5^5 + ((5 \times (5 - 55)) + ((5/5 + 5)^5)) \\
&:= 66 + ((6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) + 6/6) \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 77))) + (77/7)) \\
&:= ((88/8) \times (((88 \times 88) + 8)/8)) - 8 \\
&:= (99 \times (99 + 9)) - (((9 \times (9 \times 9)) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10652 &:= 1 + (1 + (1 + (1 + ((11 + 11)^{1+1+1})))) \\
&:= 2 + ((22^{2/2+2}) + 2) \\
&:= 3 + (((33 - 33/3)^3) + 3/3) \\
&:= (444 \times ((4 \times 4 + 4) + 4)) - 4 \\
&:= 5 + (((5^5 + 5)/5) \times ((55 + 5)/5 + 5)) + 5 \\
&:= 6 + (((((66 - 6)/6) + 6) \times (666 - 6/6)) + 6) \\
&:= ((7 + 7) \times (777 - 7)) - (((7 + 7)/7)^7) \\
&:= 8 + (((88 + 8)/8) \times (888 - 8/8)) \\
&:= (99 \times (99 + 9)) + ((9 - (9 \times (9 \times 9)))/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10653 &:= 1 + (1 + (1 + (1 + (1 + ((11 + 11)^{1+1+1})))))) \\
&:= 2 + (((22^{2/2+2}) + 2/2) + 2) \\
&:= (333 \times (33 - 3/3)) - 3 \\
&:= ((4 + 4)^4) + (((4 - 4/4)^{4+4}) - 4) \\
&:= 5 + (((55 + 55)/5)^{5-(5+5)/5}) \\
&:= 6 + (((66 + 66)/6)^{6 \times 6/(6+6)}) - 6/6 \\
&:= 7/7 + (((7 + 7) \times (777 - 7)) - (((7 + 7)/7)^7)) \\
&:= 8 + (((88/8) \times (((88 \times 88) - 8)/8)) + 8) \\
&:= (((9 + 9)/9)^9) \times (((99 + 9)/9) + 9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10654 &:= ((1 + 1) \times (1 + 1 + 1)) + ((11 + 11)^{1+1+1}) \\
&:= 2 + (((22^{2/2+2}) + 2) + 2) \\
&:= 3 + (((33 - 33/3)^3) + 3) \\
&:= (444 \times ((4 \times 4 + 4) + 4)) - ((4 + 4)/4) \\
&:= (55/5 \times (((5 - 5/5)^5) - 55)) - 5 \\
&:= 6 + (((66 + 66)/6)^{6 \times 6/(6+6)}) \\
&:= 77 + (((77 + 7) \times (77 + 7 \times 7)) - 7) \\
&:= ((88 + 8) \times (888/8)) - ((8 + 8)/8) \\
&:= (99 \times (99 + 9)) - (((99/9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10655 &:= ((1 + 11) \times (111 \times ((1 + 1)^{1+1+1})) - 1 \\
&:= (2 \times (222 \times (22 + 2))) - 2/2 \\
&:= (333 \times (33 - 3/3)) - 3/3 \\
&:= (444 \times ((4 \times 4 + 4) + 4)) - 4/4 \\
&:= 5 + ((5 \times ((5 \times (5 \times (55 + 5))) + 5)) + 5^5) \\
&:= (666 \times (((66 - 6)/6) + 6)) - 6/6 \\
&:= 7 + (((7/7 + 7) + 7) + 7)^{(7+7+7)/7} \\
&:= ((88 + 8) \times (888/8)) - 8/8 \\
&:= 9 + (((9 \times (9 \times 9) - 9) - 9/9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10656 &:= (1 + 11) \times (111 \times ((1 + 1)^{1+1+1})) \\
&:= 2 \times (222 \times (22 + 2)) \\
&:= 333 \times (33 - 3/3) \\
&:= 444 \times ((4 \times 4 + 4) + 4) \\
&:= 5 + (((5 \times (5 - 55)) + ((5/5 + 5)^5)) + 5^5) \\
&:= 666 \times (((66 - 6)/6) + 6) \\
&:= (777/7) \times ((7 \times (7 + 7)) - ((7 + 7)/7)) \\
&:= (88 + 8) \times (888/8) \\
&:= 9 + ((9 \times (9 \times 9) - 9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10657 &:= 11 + (((11 + 11)^{1+1+1}) - (1 + 1)) \\
&:= 2/2 + (2 \times (222 \times (22 + 2))) \\
&:= 3 \times 3 + ((33 - 33/3)^3) \\
&:= ((4 + 4)^4) + (((4 - 4/4)^{4+4}) \\
&:= (((5 + 5)/5) + 5)^5 - ((55 \times 55) + 5^5) \\
&:= 6/6 + (666 \times (((66 - 6)/6) + 6)) \\
&:= 7 + ((77 - ((7 + 7)/7)) \times (((((7 + 7)/7)^7) + 7) + 7)) \\
&:= 8/8 + ((88 + 8) \times (888/8)) \\
&:= 9 + (((99 + 99)/9)^{(9+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10658 &:= 11 + (((11 + 11)^{1+1+1}) - 1) \\
&:= 2 + (2 \times (222 \times (22 + 2))) \\
&:= 3 + ((333 \times (33 - 3/3)) - 3/3) \\
&:= 4/4 + (((4 - 4/4)^{4+4}) + ((4 + 4)^4)) \\
&:= 5 + (((55 + 55)/5)^{5-(5+5)/5}) + 5 \\
&:= ((6 + 6)/6) + (666 \times (((66 - 6)/6) + 6)) \\
&:= 7 \times 7 + (((777 - 7)/7) - 7)^{(7+7)/7} \\
&:= ((8 + 8)/8) + ((88 + 8) \times (888/8)) \\
&:= (99/9) + ((9 \times (9 \times 9) - 9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10659 &:= 11 + ((11 + 11)^{1+1+1}) \\
&:= (22/2) + (22^{2/2+2}) \\
&:= 3 + (333 \times (33 - 3/3)) \\
&:= 4 + ((444 \times ((4 \times 4 + 4) + 4)) - 4/4) \\
&:= (55/5) \times (((5 - 5/5)^5) - 55) \\
&:= (66/6) + (((66 + 66)/6)^{6 \times 6/(6+6)}) \\
&:= 7 + (((7 + 7) \times (777 - 7)) - (((7 + 7)/7)^7)) \\
&:= (88/8) \times (((88 \times 88) + 8)/8) \\
&:= (99/9) \times ((9 \times (99 + 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10660 &:= 1 + (11 + ((11 + 11)^{1+1+1})) \\
&:= 2 \times ((222 \times (22 + 2)) + 2) \\
&:= 3 + (((33 - 33/3)^3) + 3 \times 3) \\
&:= 4 + (444 \times ((4 \times 4 + 4) + 4)) \\
&:= 5 + (((5 \times ((5 \times (5 \times (55 + 5))) + 5)) + 5^5) + 5) \\
&:= 6 + (((66 + 66)/6)^{6 \times 6/(6+6)}) + 6 \\
&:= 77 + (((77 + 7) \times (77 + 7 \times 7)) - 7/7) \\
&:= (((88 + 8)/8) \times (888 + 8/8)) - 8 \\
&:= (9/9 + (9 \times 9)) \times (((999 + 9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10661 &:= 1 + (1 + (11 + ((11 + 11)^{1+1+1})) \\
&:= 2 + ((22^{2/2+2}) + (22/2)) \\
&:= 3 + (((333 \times (33 - 3/3)) - 3/3) + 3) \\
&:= 4 + (((4 - 4/4)^{4+4}) + ((4 + 4)^4)) \\
&:= 5 + (((5 \times (5 - 55)) + ((5/5 + 5)^5)) + 5^5) + 5) \\
&:= (6 \times 666) + (6666 - 6/6) \\
&:= 77 + ((77 + 7) \times (77 + 7 \times 7)) \\
&:= 8 + (((88/8) \times ((88 \times 88) - 8/8)) + 8) + 8) \\
&:= (99 \times (99 + 9)) - (((99 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10662 &:= 1 + (1 + (1 + (11 + ((11 + 11)^{1+1+1}))) \\
&:= 2 + (2 \times ((222 \times (22 + 2)) + 2)) \\
&:= 3 + ((333 \times (33 - 3/3)) + 3) \\
&:= (((4 + 4)/4) + 4) \times ((4 \times 444) + 4/4) \\
&:= 5 + (((((5 + 5)/5) + 5)^5) - ((55 \times 55) + 5^5)) \\
&:= (6 \times 666) + 6666 \\
&:= 7 + (((((7/7 + 7) + 7) + 7)^{(7+7+7)/7}) + 7) \\
&:= 8 + (((88 + 8) \times (888/8)) - ((8 + 8)/8)) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10663 &:= 1 + (1 + (1 + (1 + (11 + ((11 + 11)^{1+1+1})))) \\
&:= 2 + (((22^{2/2+2}) + (22/2)) + 2) \\
&:= 3 + (((33 - 33/3)^3) + 3 \times 3) + 3) \\
&:= (44444/4) - (444 + 4) \\
&:= 55 + (((5^5 - 5)/5) \times ((55 + 5)/5 + 5)) \\
&:= 6/6 + (6 \times 666 + 6666) \\
&:= 7 + ((777/7) \times ((7 \times (7 + 7)) - ((7 + 7)/7))) \\
&:= 8 + (((88 + 8) \times (888/8)) - 8/8) \\
&:= (99 \times (99 + 9)) - ((99/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10664 &:= ((1 + 1)^{1+1+1}) \times (1 + (1 + (11^{1+1+1}))) \\
&:= (2^{2+2}) + (22^{2/2+2}) \\
&:= (3 \times (3 \times ((33 \times (33 + 3)) - 3))) - 3/3 \\
&:= ((4 - 4^4) + 4) \times (4/4 - 44) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5) - 55)) \\
&:= ((6 + 6)/6) + (6 \times 666 + 6666) \\
&:= ((7 \times 7 \times 7) + 7/7) \times ((7 \times 7) - (77/7 + 7)) \\
&:= 8 + ((88 + 8) \times (888/8)) \\
&:= (99 \times (99 + 9)) - (((9/9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10665 &:= 1 + (((1 + 1)^{1+1+1}) \times (1 + (1 + (11^{1+1+1})))) \\
&:= 2/2 + ((22^{2/2+2}) + (2^{2+2})) \\
&:= 3 \times (3 \times ((33 \times (33 + 3)) - 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + ((4 + 4)^4)) + 4) \\
&:= 5 \times (((((5 + 5)/5)^5) - ((5 - 5/5)^5)) + 5^5) \\
&:= (6/6 - (6 \times 66)) \times (6 - (66 \times 6/(6 + 6))) \\
&:= (((7 + 7)/7) + 77) \times (((7 + 7)/7)^7) + 7) \\
&:= 8 + (((88 + 8) \times (888/8)) + 8/8) \\
&:= (99 \times (99 + 9)) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10666 &:= (1 + 1) \times ((11 \times (1 + ((11 + 11)^{1+1}))) - (1 + 1)) \\
&:= 2 + ((22^{2/2+2}) + (2^{2+2})) \\
&:= (3 \times (3 + 3)) + ((33 - 33/3)^3) \\
&:= 4 + (((4 + 4)/4) + 4) \times ((4 \times 444) + 4/4) \\
&:= 555 + (((5 + 5)^{5-5/5}) + (555/5)) \\
&:= 666 + (((66 - 6)/6)^{6-(6+6)/6}) \\
&:= 7 + (((7 + 7) \times (777 - 7)) - (((7 + 7)/7)^7)) + 7) \\
&:= 8 + (((88 + 8) \times (888/8)) + ((8 + 8)/8)) \\
&:= 9/9 + ((99 \times (99 + 9)) - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10667 &:= 11111 - ((1 + 1) \times ((1 + 1) \times 111)) \\
&:= 22 + ((22^{2/2+2}) - (2/2 + 2)) \\
&:= (33/3) + (333 \times (33 - 3/3)) \\
&:= (44444/4) - 444 \\
&:= 5 \times 5 + (((5^5 + 5)/5) \times ((55 + 5)/5 + 5)) \\
&:= 6 + (((6 \times 666) - 6/6) + 6666) \\
&:= ((7 + 7) \times (777 - 7 - 7)) - ((7/7 + 7) + 7) \\
&:= 8 + ((88/8) \times (((88 \times 88) + 8)/8)) \\
&:= ((9 + 9)/9) + ((99 \times (99 + 9)) - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10668 &:= (1 + 1) \times ((11 \times (1 + ((11 + 11)^{1+1}))) - 1) \\
&:= 22 + ((22^{2/2+2}) - 2) \\
&:= 3 + (3 \times (3 \times ((33 \times (33 + 3)) - 3))) \\
&:= 4 + (((4 - 4^4) + 4) \times (4/4 - 44)) \\
&:= 5 + (((5^5 - 5)/5) \times ((55 + 5)/5 + 5)) + 55) \\
&:= 6 + (6 \times 666 + 6666) \\
&:= (7 + 7) \times (777 - ((7/7 + 7) + 7)) \\
&:= ((88 + 8)/8) \times (888 + 8/8) \\
&:= ((99 + 9)/9) \times ((9 \times 99) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10669 &:= 11 + (11 + (((11 + 11)^{1+1+1}) - 1)) \\
&:= 22 + ((22^{2/2+2}) - 2/2) \\
&:= 3 + (((33 - 33/3)^3) + (3 \times (3 + 3))) \\
&:= 44 + (((4 \times 4) + 4/4) \times ((4/4 + 4)^4)) \\
&:= 5 + ((55/5 \times (((5 - 5/5)^5) - 55)) + 5) \\
&:= 6 + ((6 \times 666 + 6666) + 6/6) \\
&:= ((7 + 7) \times (777 - 7)) - (777/7) \\
&:= 8/8 + (((88 + 8)/8) \times (888 + 8/8)) \\
&:= (99 \times (99 + 9)) - (((99 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10670 &:= 11 + (11 + ((11 + 11)^{1+1+1})) \\
&:= 22 + (22^{2/2+2}) \\
&:= 3 + ((333 \times (33 - 3/3)) + (33/3)) \\
&:= (44/4) \times (((44 \times 44) + 4)/(4 + 4)/4) \\
&:= 55 \times ((5 \times 5 \times (5 + 5)) - (55 + 5/5)) \\
&:= 6 + (6 \times 666 + 6666 + (6 + 6)/6) \\
&:= ((777 - 7)/7) \times ((7 \times (7 + 7)) - 7/7) \\
&:= (88/8) \times (((88 \times 88) + 8) + 8/8) \\
&:= (99/9) \times ((9 \times (99 + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10671 &:= 1 + (11 + (11 + ((11 + 11)^{1+1+1})) \\
&:= 22 + ((22^{2/2+2}) + 2/2) \\
&:= 3 + (3 \times (3 \times ((33 \times (33 + 3)) - 3))) + 3 \\
&:= 4 + ((44444/4) - 444) \\
&:= ((5/5 + 5)^5) + ((5 \times (555 + 5 \times 5)) - 5) \\
&:= 6 + ((6/6 - (6 \times 66)) \times (6 - (66 \times 6/(6 + 6)))) \\
&:= ((7 + 7) \times (777 - 7 - 7)) - (77/7) \\
&:= (888/8) + (88 \times ((8 \times (8 + 8)) - 8)) \\
&:= (99 \times (99 + 9)) - (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10672 &:= (1 + 1) \times (1 + (11 \times (1 + ((11 + 11)^{1+1})))) \\
&:= 2 + ((22^{2/2+2}) + 22) \\
&:= 3^3 + (((33 - 33/3)^3) - 3) \\
&:= 4 \times ((444 \times (((4 + 4)/4) + 4)) + 4) \\
&:= 5 + (((5^5 + 5)/5) \times ((55 + 5)/5 + 5)) + 5 \times 5 \\
&:= (((66 - 6)/6) + 6) \times (666 + 6/6) \\
&:= 7 + (((7 + 7)/7) + 77) \times (((7 + 7)/7)^7 + 7) \\
&:= 8 + (((88 + 8) \times (888/8)) + 8) \\
&:= (99 \times (99 + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10673 &:= 1 + ((1 + 1) \times (1 + (11 \times (1 + ((11 + 11)^{1+1})))))) \\
&:= 2 + (((22^{2/2+2}) + 22) + 2/2) \\
&:= 3^3 + (((33 - 33/3)^3) - 3) + 3/3 \\
&:= 4 \times 4 + (((4 - 4/4)^{4+4}) + ((4 + 4)^4)) \\
&:= 5 \times 5 + (((55 + 55)/5)^{5-(5+5)/5}) \\
&:= (66/6) + (6 \times 666 + 6666) \\
&:= 7 \times 7 + (((7 + 7)/7)^7) \times ((77 - 7/7) + 7) \\
&:= 8 \times 8 + (((888/8) - 8)^{(8+8)/8}) \\
&:= (99 \times (99 + 9)) - ((9/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10674 &:= (1 + 1) \times (1 + (1 + (11 \times (1 + ((11 + 11)^{1+1})))))) \\
&:= 2 + (((22^{2/2+2}) + 22) + 2) \\
&:= 3 \times (3 \times ((33 \times (33 + 3)) - 3)) + 3 \\
&:= (((4 + 4)/4) + 4) \times (((4 \times 444) - 4/4) + 4) \\
&:= 5555 + ((5 \times ((5 - 5/5)^5)) - 5/5) \\
&:= 6 + (6 \times 666 + 6666) + 6 \\
&:= ((7 + 7) \times (777 - 7 - 7)) - (7/7 + 7) \\
&:= 8 + (((88 + 8) \times (888/8)) + ((8 + 8)/8)) + 8 \\
&:= (99 \times (99 + 9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10675 &:= ((1 + 1 + 1)^{1+1+1}) + ((11 + 11)^{1+1+1}) \\
&:= 2 + (((22^{2/2+2}) + 22) + 2/2) + 2 \\
&:= 3^3 + ((33 - 33/3)^3) \\
&:= (((4^4 + 4)/4) - 4) \times ((4 \times 44) - 4/4) \\
&:= 5555 + (5 \times ((5 - 5/5)^5)) \\
&:= 66 + (((6 \times 6 + 66) + 6/6)^{(6+6)/6}) \\
&:= ((7 + 7) \times (777 - 7 - 7)) - 7 \\
&:= 8 + (((88/8) \times (((88 \times 88) + 8)/8)) + 8) \\
&:= 9/9 + ((99 \times (99 + 9)) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10676 &:= 1 + (((1 + 1 + 1)^{1+1+1}) + ((11 + 11)^{1+1+1})) \\
&:= (22 \times (22^2 + 2)) - (2^{2+2}) \\
&:= 3^3 + (((33 - 33/3)^3) + 3/3) \\
&:= ((44 - 4) \times ((44/4) + 4^4)) - 4 \\
&:= ((5/5 + 5)^5) + (5 \times (555 + 5 \times 5)) \\
&:= 6 \times 6 + (((66 - 6)/6) + 6) \times (666 - 6/6) \\
&:= 7/7 + (((7 + 7) \times (777 - 7 - 7)) - 7) \\
&:= 8 + (((88 + 8)/8) \times (888 + 8/8)) \\
&:= ((9 + 9)/9) + ((99 \times (99 + 9)) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10677 &:= ((11 - 1) \times (1 + 1 + 1)) + (((11 + 11)^{1+1+1}) - 1) \\
&:= 22 + ((2 \times (222 \times (22 + 2))) - 2/2) \\
&:= 3 + (3 \times ((3 \times ((33 \times (33 + 3)) - 3)) + 3)) \\
&:= 4 + (((4 - 4/4)^{4+4}) + ((4 + 4)^4)) + 4 \times 4 \\
&:= 5/5 + ((5 \times (555 + 5 \times 5)) + ((5/5 + 5)^5)) \\
&:= 6 + (((6/6 - (6 \times 66)) \times (6 - (66 \times 6/(6 + 6)))) + 6) \\
&:= 7 + (((777 - 7)/7) \times ((7 \times (7 + 7)) - 7/7)) \\
&:= (8 \times ((8 \times ((8 \times 8) - 8)) + 888)) - (88/8) \\
&:= 9 + (((99 + 9)/9) \times ((9 \times 99) - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10678 &:= ((11 - 1) \times (1 + 1 + 1)) + ((11 + 11)^{1+1+1}) \\
&:= 22 + (2 \times (222 \times (22 + 2))) \\
&:= 3 + (((33 - 33/3)^3) + 3^3) \\
&:= ((44 - 4) \times ((44/4) + 4^4)) - ((4 + 4)/4) \\
&:= 5 + (((55 + 55)/5)^{5-(5+5)/5}) + 5 \times 5 \\
&:= 6 + (((66 - 6)/6) + 6) \times (666 + 6/6) \\
&:= 7 + (((7 + 7) \times (777 - 7 - 7)) - (77/7)) \\
&:= 8 + ((88/8) \times (((88 \times 88) + 8) + 8)/8) \\
&:= ((9 - 99)/(9 + 9)) + ((99 \times (99 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10679 &:= 11111 - ((1 + 1 + 1) \times ((1 + 11)^{1+1+1})) \\
&:= (22 \times (22^2 + 2)) - ((22/2) + 2) \\
&:= 3 + (((33 - 33/3)^3) + 3^3) + 3/3 \\
&:= ((44 - 4) \times ((44/4) + 4^4)) - 4/4 \\
&:= 55 + (((5 + 5)^{5-5/5}) + ((5^5 - 5)/5)) \\
&:= (66666/6) - (6 \times (66 + 6)) \\
&:= ((7 + 7) \times (777 - 7 - 7)) - ((7 + 7 + 7)/7) \\
&:= (((8 - 8/8) + 8) \times ((8 \times 88) + 8)) - 8/8 \\
&:= (99 \times (99 + 9)) - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10680 &:= (1 + 11) \times ((11 \times ((11 - 1 - 1)^{1+1+1})) - 1) \\
&:= (22 + 2) \times ((2 \times 222) + 2/2) \\
&:= (3/3 + 3) \times ((3 \times (33 \times 3^3)) - 3) \\
&:= (44 - 4) \times ((44/4) + 4^4) \\
&:= 5 + ((5 \times ((5 - 5/5)^5)) + 5555) \\
&:= (6 - 66) \times ((6 \times (6 - 6 \times 6)) + ((6 + 6)/6)) \\
&:= ((7 + 7) \times (777 - 7 - 7)) - ((7 + 7)/7) \\
&:= ((8 - 8/8) + 8) \times ((8 \times 88) + 8) \\
&:= ((99 + 9)/9) \times ((9 \times 99) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10681 &:= 11 \times (1 + ((1 + 1) \times (1 + ((11 + 11)^{1+1})))) \\
&:= (22 \times (22^2 + 2)) - (22/2) \\
&:= 33 + ((33 - 33/3)^3) \\
&:= 4/4 + ((44 - 4) \times ((44/4) + 4^4)) \\
&:= 5 + ((5 \times (555 + 5 \times 5)) + ((5/5 + 5)^5)) \\
&:= 6 + (((6 \times 6 + 66) + 6/6)^{(6+6)/6}) + 66 \\
&:= ((7 + 7) \times (777 - 7 - 7)) - 7/7 \\
&:= 8/8 + (((8 - 8/8) + 8) \times ((8 \times 88) + 8)) \\
&:= (99 \times (99 + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10682 &:= (111 - (1 + 1)) \times (111 - 1 - 1 - 11) \\
&:= 2 + ((22^{2/2+2}) + (2 \times (2^{2+2}))) \\
&:= 3/3 + (((33 - 33/3)^3) + 33) \\
&:= 444 + ((4^4 \times (44 - 4)) - ((4 + 4)/4)) \\
&:= 55 + (((5 + 5)^{5-5/5}) + ((5^5 + 5 + 5)/5)) \\
&:= (6/6 + 6) \times ((6/6 + 6) \times ((6 \times 6 \times 6) + ((6 + 6)/6))) \\
&:= (7 + 7) \times (777 - 7 - 7) \\
&:= ((8 + 8)/8) + (((8 - 8/8) + 8) \times ((8 \times 88) + 8)) \\
&:= (99 \times (99 + 9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10683 &:= 1 + ((111 - (1 + 1)) \times (111 - 1 - 1 - 11)) \\
&:= 2 + ((22 \times (22^2 + 2)) - (22/2)) \\
&:= 3 \times ((3 \times (33 \times (33 + 3))) - 3) \\
&:= 44 + ((4^4 \times 44) - ((4/4 + 4)^4)) \\
&:= (((55 + 5)/5 + 5) \times (((5^5 - 5)/5) + 5)) - (5 + 5) \\
&:= ((6 \times 6/(6 + 6)) + 6) \times ((66 \times (6 + 6 + 6)) - 6/6) \\
&:= 7/7 + ((7 + 7) \times (777 - 7 - 7)) \\
&:= 8 + (((88/8) \times ((88 \times 88) + 8/8)) + 8) + 8 \\
&:= (99 \times (99 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10684 &:= ((1 + 1 + 1) \times (1 + 11)) + ((11 + 11)^{1+1+1}) \\
&:= ((2 + 2 + 2)^2) + (22^{2/2+2}) \\
&:= 3 + (((33 - 33/3)^3) + 33) \\
&:= 444 + (4^4 \times (44 - 4)) \\
&:= 5 \times 5 + (55/5 \times (((5 - 5/5)^5) - 55)) \\
&:= 6 \times 6 + (((66 + 66)/6)^{6 \times 6/(6+6)}) \\
&:= ((7 + 7)/7) + ((7 + 7) \times (777 - 7 - 7)) \\
&:= 8 + (((88 + 8)/8) \times (888 + 8/8)) + 8 \\
&:= 9/9 + ((99 \times (99 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10685 &:= (111/(1 + 1 + 1)) + ((11 + 11)^{1+1+1}) \\
&:= 22^2 + ((2222/22)^2) \\
&:= ((33 - 3/3) \times (333 + 3/3)) - 3 \\
&:= 4/4 + ((4^4 \times (44 - 4)) + 444) \\
&:= 5^5 + ((55 + 5) \times (5 \times 5 \times 5 + 5/5)) \\
&:= 6 + (66666/6 - (6 \times (66 + 6))) \\
&:= ((7 + 7 + 7)/7) + ((7 + 7) \times (777 - 7 - 7)) \\
&:= 8 + ((8 \times ((8 \times ((8 \times 8) - 8)) + 888)) - 88/8) \\
&:= ((9 + 9)/9) + ((99 \times (99 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10686 &:= 1 + ((111/(1 + 1 + 1)) + ((11 + 11)^{1+1+1})) \\
&:= (22 \times (22^2 + 2)) - (2 + 2 + 2) \\
&:= 3 + (3 \times ((3 \times (33 \times (33 + 3))) - 3)) \\
&:= 444 + ((4^4 \times (44 - 4)) + ((4 + 4)/4)) \\
&:= ((5 \times 55) - 5/5) \times (55 - (55/5 + 5)) \\
&:= 66 + (6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) \\
&:= 77 + (((777 - 7)/7) - 7)^{(7+7)/7} \\
&:= (8 \times ((8 \times ((8 \times 8) - 8)) + 888)) - ((8 + 8)/8) \\
&:= ((9 + 9 + 9)/9) + ((99 \times (99 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10687 &:= ((11 + 11)^{1+1+1}) + ((1 + 1 + 1) \times (1 + 1 + 11)) \\
&:= (22 \times (22^2 + 2)) - (2/2 + 2 + 2) \\
&:= 3 + (((33 - 33/3)^3) + 33) + 3 \\
&:= 4 + (((4^4 \times 44) - ((4/4 + 4)^4)) + 44) \\
&:= (((5 - (5 + 5)/5)^5) \times (55 - (55/5))) - 5 \\
&:= 66 + ((6 \times (((6 \times 6 + 6) \times (6 \times 6 + 6)) + 6)) + 6/6) \\
&:= 7 + ((7 + 7) \times (777 - 7 - 7)) - ((7 + 7)/7) \\
&:= (8 \times ((8 \times ((8 \times 8) - 8)) + 888)) - 8/8 \\
&:= ((9 - 99)/(9 + 9)) + (99 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10688 &:= ((11 \times (1 + 1 + 1)) - 1) \times (1 + ((1 + 1 + 1) \times 111)) \\
&:= (22 \times (22^2 + 2)) - (2 + 2) \\
&:= (33 - 3/3) \times (333 + 3/3) \\
&:= 4 + ((4^4 \times (44 - 4)) + 444) \\
&:= (((55 + 5)/5 + 5) \times (((5^5 - 5)/5) + 5)) - 5 \\
&:= (((66 - 6)/6) + 6) \times (666 + ((6 + 6)/6)) \\
&:= 7 + ((7 + 7) \times (777 - 7 - 7)) - 7/7 \\
&:= 8 \times ((8 \times ((8 \times 8) - 8)) + 888) \\
&:= ((9 - (9 \times 9))/(9 + 9)) + (99 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10689 &:= 1 + (((11 \times (1 + 1 + 1)) - 1) \times (1 + ((1 + 1 + 1) \times 111))) \\
&:= (22 \times (22^2 + 2)) - (2/2 + 2) \\
&:= (3 \times (3 \times (33 \times (33 + 3)))) - 3 \\
&:= (((4 \times 4) + 4/4) \times (((4/4 + 4)^4) + 4)) - 4 \\
&:= 5 + ((55/5 \times (((5 - 5/5)^5) - 55)) + 5 \times 5) \\
&:= (6 \times ((6 - 6 \times 6) \times (6 - 66))) - (666/6) \\
&:= 7 + ((7 + 7) \times (777 - 7 - 7)) \\
&:= 8/8 + (8 \times ((8 \times ((8 \times 8) - 8)) + 888)) \\
&:= (99 \times (99 + 9)) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10690 &:= (1 + 1) \times ((11 \times (1 + (1 + ((11 + 11)^{1+1})))) - 1) \\
&:= (22 \times (22^2 + 2)) - 2 \\
&:= 3 \times 3 + (((33 - 33/3)^3) + 33) \\
&:= ((44 - 4)/4) \times (((4 \times 4^4) + 4/4) + 44) \\
&:= (5 + 5) \times (((5 - 5/5)^5) - (5 + 5)) + 55 \\
&:= 6 + (((66 + 66)/6)^{6 \times 6/(6+6)}) + (6 \times 6) \\
&:= 7 + ((7 + 7) \times (777 - 7 - 7)) + 7/7 \\
&:= ((8 + 8)/8) + (8 \times ((8 \times ((8 \times 8) - 8)) + 888)) \\
&:= (99 \times (99 + 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10691 &:= (11 \times ((1+11) \times ((11-1-1)^{1+1}))) - 1 \\
&:= (22 \times (22^2 + 2)) - 2/2 \\
&:= (3 \times (3 \times (33 \times (33+3)))) - 3/3 \\
&:= (44 \times ((4-4/4)^{4/4+4})) - 4/4 \\
&:= ((5/5+5)^5) + (55 \times (55 - ((5+5)/5))) \\
&:= (6 \times (66 \times ((66 \times 6/(6+6)) - 6))) - 6/6 \\
&:= 7 + (((7+7) \times (777-7-7)) + (7+7)/7) \\
&:= 88/8 + (((8-8/8)+8) \times ((8 \times 88) + 8)) \\
&:= (99 \times (99+9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10692 &:= 11 \times ((1+11) \times ((11-1-1)^{1+1})) \\
&:= 22 \times (22^2 + 2) \\
&:= 3 \times (3 \times (33 \times (33+3))) \\
&:= 44 \times ((4-4/4)^{4/4+4}) \\
&:= ((5 - (5+5)/5)^5) \times (55 - (55/5)) \\
&:= 6 \times (66 \times ((66 \times 6/(6+6)) - 6)) \\
&:= 77/7 \times (((7+7) \times (77-7)) - (7/7+7)) \\
&:= ((88+8)/8) \times ((888-8) + (88/8)) \\
&:= 99 \times (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10693 &:= 1 + (11 \times ((1+11) \times ((11-1-1)^{1+1}))) \\
&:= 2/2 + (22 \times (22^2 + 2)) \\
&:= 3/3 + (3 \times (3 \times (33 \times (33+3)))) \\
&:= ((4 \times 4) + 4/4) \times (((4/4+4)^4) + 4) \\
&:= ((55+5)/5+5) \times (((5^5-5)/5) + 5) \\
&:= 6/6 + (6 \times (66 \times ((66 \times 6/(6+6)) - 6))) \\
&:= (77/7) + ((7+7) \times (777-7-7)) \\
&:= (8/8+8+8) \times ((8 \times (88-8)) - 88/8) \\
&:= 9/9 + (99 \times (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10694 &:= 1 + (1 + (11 \times ((1+11) \times ((11-1-1)^{1+1})))) \\
&:= 2 + (22 \times (22^2 + 2)) \\
&:= 3 + ((3 \times (3 \times (33 \times (33+3)))) - 3/3) \\
&:= 4/4 + (((4 \times 4) + 4/4) \times (((4/4+4)^4) + 4)) \\
&:= 5^5 + (((((5+5)/5)^5) + 55)^{(5+5)/5}) \\
&:= 6 + (((66-6)/6) + 6) \times (666 + ((6+6)/6)) \\
&:= ((77+7)/7) + ((7+7) \times (777-7-7)) \\
&:= 8 + ((8 \times ((8 \times (8 \times 8) - 8)) + 888)) - ((8+8)/8) \\
&:= ((9+9)/9) + (99 \times (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10695 &:= 1 + (1 + (1 + (11 \times ((1+11) \times ((11-1-1)^{1+1})))))) \\
&:= 2 + ((22 \times (22^2 + 2)) + 2/2) \\
&:= 3 + (3 \times (3 \times (33 \times (33+3)))) \\
&:= 4 + ((44 \times ((4-4/4)^{4/4+4})) - 4/4) \\
&:= (5 \times 5 \times 555) - (55+5^5) \\
&:= (666/6) + (6 \times ((6 \times 6+6) \times (6 \times 6+6))) \\
&:= 7 + (((7+7) \times (777-7-7)) - 7/7) + 7) \\
&:= ((8-8/8)+8) \times (((8 \times 88) + 8/8) + 8) \\
&:= ((9+9+9)/9) + (99 \times (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10696 &:= (1+1) \times (1 + (1 + (11 \times (1 + (1 + ((11+11)^{1+1})))))) \\
&:= 2 + ((22 \times (22^2 + 2)) + 2) \\
&:= 3 + ((3 \times (3 \times (33 \times (33+3)))) + 3/3) \\
&:= 4 + (44 \times ((4-4/4)^{4/4+4})) \\
&:= 5/5 + ((5 \times 5 \times 555) - (55+5^5)) \\
&:= 6666 + (((6+6)/6)^{6+6}) - 66 \\
&:= 7 + (((7+7) \times (777-7-7)) + 7) \\
&:= 8 + (8 \times ((8 \times (8 \times 8) - 8)) + 888) \\
&:= (99 \times (99+9)) + (((9 \times 9) - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10697 &:= ((1+1)^{11}) + (((((1+1)^{11-1}) - 1)/11)^{1+1}) \\
&:= 2 + (((22 \times (22^2 + 2)) + 2/2) + 2) \\
&:= 3 + (((3 \times (3 \times (33 \times (33+3)))) - 3/3) + 3) \\
&:= 4 + (((4 \times 4) + 4/4) \times (((4/4+4)^4) + 4)) \\
&:= 5 + (((5 - (5+5)/5)^5) \times (55 - (55/5))) \\
&:= 6666 + ((6 \times (666+6)) - 6/6) \\
&:= 7 + (((7+7) \times (777-7-7)) + 7/7) + 7) \\
&:= 88 + (((888/8) - 8)^{(8+8)/8}) \\
&:= (99 \times (99+9)) + ((9 \times 9+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10698 &:= ((11+11)^{1+1+1}) + (((11-1)^{1+1})/(1+1)) \\
&:= 2 + (((22 \times (22^2 + 2)) + 2) + 2) \\
&:= 3 + ((3 \times (3 \times (33 \times (33+3)))) + 3) \\
&:= 4 + (((4 \times 4) + 4/4) \times (((4/4+4)^4) + 4)) + 4/4) \\
&:= 5 + (((55+5)/5+5) \times (((5^5-5)/5) + 5)) \\
&:= 6666 + (6 \times (666+6)) \\
&:= 7 + (((7+7) \times (777-7-7)) + ((7+7)/7)) + 7) \\
&:= 8 + ((8 \times ((8 \times (8 \times 8) - 8)) + 888)) + ((8+8)/8) \\
&:= 9 + ((99 \times (99+9)) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10699 &:= (((11-1)^{1+1}) \times (111 - (1+1+1+1))) - 1 \\
&:= 2 + (((22 \times (22^2 + 2)) + 2/2) + 2) + 2) \\
&:= 3 + (((3 \times (3 \times (33 \times (33+3)))) + 3/3) + 3) \\
&:= 44 + ((444 \times ((4 \times 4+4) + 4)) - 4/4) \\
&:= (((5 \times 5) - 5/5)^{5-(5+5)/5}) - 5^5 \\
&:= 6/6 + ((6 \times (666+6)) + 6666) \\
&:= 7 + (((7+7) \times (777-7-7)) + ((77-7)/7)) \\
&:= 88/8 + (8 \times ((8 \times (8 \times 8) - 8)) + 888) \\
&:= 9 + ((99 \times (99+9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10700 &:= ((11-1)^{1+1}) \times (111 - (1+1+1+1)) \\
&:= 2 \times ((222 \times (22+2)) + 22) \\
&:= (3 \times ((3 \times (33 \times (33+3)))) + 3) - 3/3 \\
&:= 44 + (444 \times ((4 \times 4+4) + 4)) \\
&:= (5 \times 5 - 5) \times ((555 - 5 \times 5) + 5) \\
&:= ((6+6)/6) + ((6 \times (666+6)) + 6666) \\
&:= 7 + (((7+7) \times (777-7-7)) + (77/7)) \\
&:= 8 + (((88+8)/8) \times ((888-8) + (88/8))) \\
&:= 9 + ((99 \times (99+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10701 &:= 1 + (((11-1)^{1+1}) \times (111 - (1+1+1+1))) \\
&:= (22/2) + ((22 \times (22^2 + 2)) - 2) \\
&:= 3 \times ((3 \times (33 \times (33+3))) + 3) \\
&:= 44 + (((4-4/4)^{4+4}) + ((4+4)^4)) \\
&:= 5^5 + (((5+5) \times (5 - (5 \times 5))) + ((5/5+5)^5)) \\
&:= 6 + ((6 \times ((6 \times 6+6) \times (6 \times 6+6))) + 666/6) \\
&:= 77 + (((7+7)/7)^7) \times ((77-7/7) + 7) \\
&:= 8 \times 8 + ((88/8) \times (((88 \times 88) - 8)/8)) \\
&:= 9 + (99 \times (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10702 &:= (11 \times (1 + ((1+11) \times ((11-1-1)^{1+1})))) - 1 \\
&:= ((22+2) \times (2 \times 222+2)) - 2 \\
&:= 3^3 + (((33-33/3)^3) + 3^3) \\
&:= (4 \times (4 \times (((4/4+4)^4) + 44))) - ((4+4)/4) \\
&:= (((5+5)/5) + 5)^5 - (55 \times 555/5) \\
&:= 6 + (((6+6)/6)^{6+6}) - 66 + 6666 \\
&:= ((7+7) \times (777-7)) - (7/7+77) \\
&:= (((8+8)/8) + 88) \times ((888/8) + 8) - 8 \\
&:= 9 + ((99 \times (99+9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10703 &:= 11 \times (1 + ((1+11) \times ((11-1-1)^{1+1}))) \\
&:= (22/2) + (22 \times (22^2 + 2)) \\
&:= (33/3) + (3 \times (3 \times (33 \times (33+3)))) \\
&:= (4 \times (4 \times (((4/4+4)^4) + 44))) - 4/4 \\
&:= 55 + (((55+55)/5)^{5-(5+5)/5}) \\
&:= (66666/6) - (((6 \times 66) + 6) + 6) \\
&:= ((7+7) \times (777-7)) - 77 \\
&:= 8 + (((8-8/8) + 8) \times (((8 \times 88) + 8/8) + 8)) \\
&:= (99/9) + (99 \times (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10704 &:= (1+11) \times (1 + (11 \times ((11-1-1)^{1+1}))) \\
&:= (22+2) \times (2 \times 222+2) \\
&:= 3 + (3 \times ((3 \times (33 \times (33+3))) + 3)) \\
&:= 4 \times (4 \times (((4/4+4)^4) + 44)) \\
&:= 5 + (((5 \times 5) - 5/5)^{5-(5+5)/5}) - 5^5 \\
&:= 6 + ((6 \times (666+6)) + 6666) \\
&:= 7/7 + (((7+7) \times (777-7)) - 77) \\
&:= 8 + ((8 \times ((8 \times (8 \times 8) - 8)) + 888)) + 8 \\
&:= ((99+9)/9) + (99 \times (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10705 &:= 1 + ((1+11) \times (1 + (11 \times ((11-1-1)^{1+1})))) \\
&:= 2 + ((22 \times (22^2 + 2)) + (22/2)) \\
&:= 3 + ((3 \times ((3 \times (33 \times (33+3))) + 3)) + 3/3) \\
&:= 4/4 + (4 \times (4 \times (((4/4+4)^4) + 44))) \\
&:= 5 + ((5 \times 5 - 5) \times ((555 - 5 \times 5) + 5)) \\
&:= 6 + (((6 \times (666+6)) + 6666) + 6/6) \\
&:= ((7+7)/7) + (((7+7) \times (777-7)) - 77) \\
&:= 8 + (((888/8) - 8)^{(8+8)/8}) + 88 \\
&:= (99 \times (99+9)) + ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10706 &:= 1 + (1 + ((1+11) \times (1 + (11 \times ((11-1-1)^{1+1})))))) \\
&:= 2 + ((22+2) \times (2 \times 222+2)) \\
&:= 3 + ((3 \times (3 \times (33 \times (33+3)))) + (33/3)) \\
&:= ((4^4 - 4/4) \times (44 - ((4+4)/4))) - 4 \\
&:= ((555/5) - 5) \times ((5 \times (5 \times 5 - 5)) + 5/5) \\
&:= 66 + (((66-6)/6) + 6) \times (666 - 6/6) \\
&:= ((7+7+7)/7) + (((7+7) \times (777-7)) - 77) \\
&:= ((8-888)/8) + ((88+8+8)^{(8+8)/8}) \\
&:= 9 + ((99 \times (99+9)) + ((9 \times 9+9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10707 &:= (((11 \times ((1+1)^{11})) - (1+1111))/(1+1)) - 1 \\
&:= 2 + (((22 \times (22^2 + 2)) + (22/2)) + 2) \\
&:= 3 + ((3 \times ((3 \times (33 \times (33+3))) + 3)) + 3) \\
&:= (44 - 4/4) \times ((4^4 - 44/4) + 4) \\
&:= 5 + (((5+5)/5) + 5)^5 - (55 \times 555/5) \\
&:= 6 + (((6 \times ((6 \times 6+6) \times (6 \times 6+6))) + 666/6) + 6) \\
&:= ((77-7/7) + 7) \times (((7+7)/7)^7) + 7/7 \\
&:= (8 \times (8+8) + 8/8) \times (((88/8) + (8 \times 8)) + 8) \\
&:= 9 + (((99 \times (99+9)) - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10708 &:= ((11 \times ((1+1)^{11})) - (1+1111))/(1+1) \\
&:= (2^{2+2}) + (22 \times (22^2 + 2)) \\
&:= 3^3 + (((33-33/3)^3) + 33) \\
&:= 4 + (4 \times (4 \times (((4/4+4)^4) + 44))) \\
&:= 5 + (((55+55)/5)^{5-(5+5)/5}) + 55 \\
&:= 6 \times 6 + (((66-6)/6) + 6) \times (666 + 6/6) \\
&:= 7 + (((7+7)/7)^7) \times ((77-7/7) + 7) + 77 \\
&:= 8 \times 8 + (((88+8)/8) \times (888 - 8/8)) \\
&:= 9 + (((99 \times (99+9)) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10709 &:= (1 + ((11 \times ((1+1)^{11})) - 1111))/(1+1) \\
&:= 2/2 + ((22 \times (22^2 + 2)) + (2^{2+2})) \\
&:= ((3/3+3)^3) + (((33-33/3)^3) - 3) \\
&:= ((4^4 - 4/4) \times (44 - 4/4)) - 4^4 \\
&:= (55/5 \times ((5-5/5)^5)) - 555 \\
&:= (66666/6) - ((6 \times 66) + 6) \\
&:= 7 + (((7+7) \times (777-7)) - (7/7+77)) \\
&:= 8 + (((88/8) \times (((88 \times 88) - 8)/8)) + (8 \times 8)) \\
&:= 9 + (((99 \times (99+9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10710 &:= (11-1) \times ((11-1-1) \times ((11^{1+1}) - (1+1))) \\
&:= 2 + ((22 \times (22^2 + 2)) + (2^{2+2})) \\
&:= 3 \times (((3 \times (33 \times (33+3))) + 3) + 3) \\
&:= (4^4 - 4/4) \times (44 - ((4+4)/4)) \\
&:= ((5^5/5) + 5) \times ((55+5)/5+5) \\
&:= ((66/6) + 6) \times (666 - (6 \times 6)) \\
&:= 7 + (((7+7) \times (777-7)) - 77) \\
&:= (((8+8)/8) + 88) \times ((888/8) + 8) \\
&:= 9 + ((99 \times (99+9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10711 &:= 11111 - (((1+1) \times (11-1))^{1+1}) \\
&:= (22222/2) - ((22-2)^2) \\
&:= 3 + (((33-33/3)^3) + 33) + 3^3 \\
&:= 4 + ((44-4/4) \times ((4^4-44/4) + 4)) \\
&:= 5/5 + (((5^5/5) + 5) \times ((55+5)/5 + 5)) \\
&:= 6/6 + (((66/6) + 6) \times (666 - (6 \times 6))) \\
&:= 7 + (((7+7) \times (777-7)) - 77) + 7/7 \\
&:= (8 \times (((88/8)^{88/8-8}) + 8)) - 8/8 \\
&:= 9 + (((99 \times (99+9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10712 &:= 1 + (11111 - (((1+1) \times (11-1))^{1+1})) \\
&:= 22 + ((22 \times (22^2 + 2)) - 2) \\
&:= ((3/3 + 3)^3) + ((33 - 33/3)^3) \\
&:= 4 + ((4 \times (4 \times (((4/4 + 4)^4) + 44))) + 4) \\
&:= ((5+5)/5) + (((5^5/5) + 5) \times ((55+5)/5 + 5)) \\
&:= ((6+6)/6) + (((66/6) + 6) \times (666 - (6 \times 6))) \\
&:= (((7+7)/7)^7) + ((77+7) \times (77+7 \times 7)) \\
&:= 8 \times (((88/8)^{88/8-8}) + 8) \\
&:= 9 + ((99 \times (99+9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10713 &:= 1 + (1 + (11111 - (((1+1) \times (11-1))^{1+1}))) \\
&:= 22 + ((22 \times (22^2 + 2)) - 2/2) \\
&:= 3 + (3 \times (((3 \times (33 \times (33+3))) + 3) + 3)) \\
&:= 4 + (((4^4 - 4/4) \times (44 - (4+4)/4)) - 4^4) \\
&:= (5 \times 5 \times 555) - (((((5+5)/5)^5) + 5^5) + 5) \\
&:= (66666/6) - (((6+6)/6) + (6 \times 66)) \\
&:= ((7+7) \times (777 - (77/7))) - (77/7) \\
&:= 8/8 + (8 \times (((88/8)^{88/8-8}) + 8)) \\
&:= 9 + ((99 \times (99+9)) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10714 &:= (1+1) \times (11 \times (1 + (1 + (1 + ((11+11)^{1+1})))))) \\
&:= 22 + (22 \times (22^2 + 2)) \\
&:= 33 + (((33-33/3)^3) + 33) \\
&:= 4 + ((4^4 - 4/4) \times (44 - ((4+4)/4))) \\
&:= (55/5) \times (((5-5/5)^5) - 55) + 5 \\
&:= 66 + (((66+66)/6)^{6 \times 6/(6+6)}) \\
&:= (77/7) + (((7+7) \times (777-7)) - 77) \\
&:= (88/8) \times (((88 \times 88) - (8+8))/8) + 8 \\
&:= (99/9) \times ((9 \times (99+9)) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10715 &:= 1111 + ((111 - 1 - 1 - 11)^{1+1}) \\
&:= 22 + ((22 \times (22^2 + 2)) + 2/2) \\
&:= 3 + (((33 - 33/3)^3) + ((3/3 + 3)^3)) \\
&:= (44/4) + (4 \times (4 \times (((4/4 + 4)^4) + 44))) \\
&:= 5 + (((5^5/5) + 5) \times ((55+5)/5 + 5)) \\
&:= (66666/6) - (6 \times 66) \\
&:= (7777/7) + (7 \times (7 \times ((7+7) \times (7+7)))) \\
&:= 8 + ((8 \times (8+8) + 8/8) \times (((88/8) + (8 \times 8)) + 8)) \\
&:= (99 \times (99+9)) + (((99+99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10716 &:= (1+1) \times (((1+1+1)^{11-1}) - 111)/11 \\
&:= 2 + ((22 \times (22^2 + 2)) + 22) \\
&:= (3 \times (3 \times ((33 \times (33+3)) + 3))) - 3 \\
&:= ((44-4) \times ((4^4 + 4+4) + 4)) - 4 \\
&:= 5 + (((5^5/5) + 5) \times ((55+5)/5 + 5)) + 5/5 \\
&:= 6 + (((66/6) + 6) \times (666 - (6 \times 6))) \\
&:= (7/7 - 77) \times (7 - ((7 \times (7+7+7)) + 7/7)) \\
&:= 8 + (((88+8)/8) \times (888 - 8/8)) + (8 \times 8) \\
&:= ((99+9)/9) \times (((9+9)/9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10717 &:= 1 + ((1+1) \times (((1+1+1)^{11-1}) - 111)/11) \\
&:= 2 + ((22 \times (22^2 + 2)) + 22) + 2/2 \\
&:= 3 + (((33 - 33/3)^3) + 33) + 33 \\
&:= 4/4 + (((44-4) \times ((4^4 + 4+4) + 4)) - 4) \\
&:= 5 \times 5 + (((5 - (5+5)/5)^5) \times (55 - (55/5))) \\
&:= 6 + (((66/6) + 6) \times (666 - (6 \times 6))) + 6/6 \\
&:= ((7+7) \times (777 - (77/7))) - 7 \\
&:= ((88/8) \times (((88 \times 88) - 8)/8) + 8) - 8 \\
&:= (9 \times (9 \times 9)) + (9999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10718 &:= (1+1) \times (1 + (((1+1+1)^{11-1}) - 111)/11) \\
&:= 2 + ((22 \times (22^2 + 2)) + 22) + 2 \\
&:= (3 \times (3 \times ((33 \times (33+3)) + 3))) - 3/3 \\
&:= 4 + (((4^4 - 4/4) \times (44 - ((4+4)/4))) + 4) \\
&:= (5 \times 5 \times 555) - (((((5+5)/5)^5) + 5^5) + 5) \\
&:= 6 + (((66/6) + 6) \times (666 - (6 \times 6))) + ((6+6)/6) \\
&:= 7/7 + (((7+7) \times (777 - (77/7))) - 7) \\
&:= 8 + (((8+8)/8) + 88) \times ((888/8) + 8) \\
&:= 9 + (((99 \times (99+9)) - 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10719 &:= ((1 + (1 + 111))^{1+1}) - (1 + (1 + ((1+1)^{11}))) \\
&:= ((222/2)^2) - (((2 \times (22-2))^2) + 2) \\
&:= 3 \times (3 \times ((33 \times (33+3)) + 3)) \\
&:= ((44-4) \times ((4^4 + 4+4) + 4)) - 4/4 \\
&:= 5 + (55/5 \times (((5-5/5)^5) - 55) + 5) \\
&:= ((6 \times 66) + 6/6) \times ((66 \times 6/(6+6)) - 6) \\
&:= (7777/7) - (7 \times (7 \times 7 + 7)) \\
&:= 8 \times 8 + (((88+8) \times (888/8)) - 8/8) \\
&:= 9 + (((99 \times (99+9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10720 &:= ((1 + (1 + 111))^{1+1}) - (1 + ((1+1)^{11})) \\
&:= (2 \times ((2+2+2)^2)) + (22^{2/2+2}) \\
&:= 3/3 + (3 \times (3 \times ((33 \times (33+3)) + 3))) \\
&:= (44-4) \times ((4^4 + 4+4) + 4) \\
&:= (5 \times ((5 \times 555) - 5)) - (5^5 + 5) \\
&:= 6 + (((66+66)/6)^{6 \times 6/(6+6)}) + 66 \\
&:= ((77-7)/7) \times (((77 \times (7+7)) - 7) + 7/7) \\
&:= 8 \times 8 + ((88+8) \times (888/8)) \\
&:= 9 + (((99 \times (99+9)) + 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10721 &:= ((1 + (1 + 111))^{1+1}) - ((1 + 1)^{11}) \\
&:= ((222/2)^2) - ((2 \times (22 - 2))^2) \\
&:= 3 + ((3 \times (3 \times ((33 \times (33 + 3)) + 3))) - 3/3) \\
&:= 4/4 + ((44 - 4) \times ((4^4 + 4 + 4) + 4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 \times 5 \times 5 + 55)) \\
&:= 6 + (66666/6 - 6 \times 66) \\
&:= 7 + (((7 + 7) \times (777 - 7)) - 77) + (77/7) \\
&:= (((88/8) - 8)^8) + (8 \times ((8 \times 8 \times 8) + 8)) \\
&:= 9 + (((99 \times (99 + 9)) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10722 &:= 1 + (((1 + (1 + 111))^{1+1}) - ((1 + 1)^{11})) \\
&:= 2 + ((2 \times ((2 + 2 + 2)^2)) + (22^{2/2+2})) \\
&:= 3 + (3 \times (3 \times ((33 \times (33 + 3)) + 3))) \\
&:= ((4 + 4)/4) + ((44 - 4) \times ((4^4 + 4 + 4) + 4)) \\
&:= (((55 + 5)/5 + 5) \times (((5^5 + 5)/5) + 5)) - 5 \\
&:= 66 + (666 \times (((66 - 6)/6) + 6)) \\
&:= ((7 + 7)/7) \times ((7 \times 777) - (7/7 + 77)) \\
&:= 8 + ((88/8) \times (((88 \times 88) - (8 + 8))/8) + 8)) \\
&:= 9 + (((99 \times (99 + 9)) + ((99 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10723 &:= 1 + (1 + (((1 + (1 + 111))^{1+1}) - ((1 + 1)^{11}))) \\
&:= 2 + (((222/2)^2) - ((2 \times (22 - 2))^2)) \\
&:= 3 + ((3 \times (3 \times ((33 \times (33 + 3)) + 3))) + 3/3) \\
&:= 4 + (((44 - 4) \times ((4^4 + 4 + 4) + 4)) - 4/4) \\
&:= (5 \times ((5 \times 555) - 5)) - (((5 + 5)/5) + 5^5) \\
&:= 66 + ((666 \times (((66 - 6)/6) + 6)) + 6/6) \\
&:= ((7 + 7) \times (777 - (77/7))) - 7/7 \\
&:= 8 \times 8 + ((88/8) \times (((88 \times 88) + 8)/8)) \\
&:= 9 + ((99 \times (99 + 9)) + ((99 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10724 &:= 1 + (1 + (1 + (((1 + (1 + 111))^{1+1}) - ((1 + 1)^{11})))) \\
&:= (2 \times (2^{2+2})) + (22 \times (22^2 + 2)) \\
&:= 33 + ((3 \times (3 \times (33 \times (33 + 3)))) - 3/3) \\
&:= 4 + ((44 - 4) \times ((4^4 + 4 + 4) + 4)) \\
&:= (5 \times ((5 \times 555) - 5)) - (5^5 + 5/5) \\
&:= 6 \times 6 + (((66 - 6)/6) + 6) \times (666 + ((6 + 6)/6)) \\
&:= (7 + 7) \times (777 - (77/7)) \\
&:= 8 \times 8 + (((88 + 8)/8) \times (888 + 8/8)) - 8 \\
&:= 9 + (((99 + 99) + 9)/9) + (99 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10725 &:= 11 \times (111 + (((1 + 11)^{1+1+1})/(1 + 1))) \\
&:= ((22/2)^2) + (22 \times (22^2 - 2)) \\
&:= 33 + (3 \times (3 \times (33 \times (33 + 3)))) \\
&:= (4/4 + 4) \times (((4 - 4/4) + 4)^4) - 4^4 \\
&:= 55 \times ((5 \times 5 \times (5 + 5)) - 55) \\
&:= (6/6 - 66) \times ((66 \times (6 - 6 \times 6))/(6 + 6)) \\
&:= 7/7 + ((7 + 7) \times (777 - (77/7))) \\
&:= (88/8) \times (((88 \times 88) - 8)/8) + 8 \\
&:= 9 + (((99 + 9)/9) \times (((9 + 9)/9) + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10726 &:= (111^{1+1}) - (11 \times (1 + ((1 + 11)^{1+1}))) \\
&:= 22 + ((22 + 2) \times (2 \times 222 + 2)) \\
&:= (3 \times 3^3) + (((33 - 33/3)^3) - 3) \\
&:= 4 \times 4 + ((4^4 - 4/4) \times (44 - ((4 + 4)/4))) \\
&:= 5/5 + (55 \times ((5 \times 5 \times (5 + 5)) - 55)) \\
&:= 6666 + (((6 + 6)/6)^{6+6}) - (6 \times 6) \\
&:= 7 + ((7777/7) - (7 \times (7 \times 7 + 7))) \\
&:= 8 + (((8 + 8)/8) + 88) \times ((888/8) + 8) + 8 \\
&:= (9 \times (9 \times 9)) + (9999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10727 &:= 1 + (((111^{1+1}) - (11 \times (1 + ((1 + 11)^{1+1})))) \\
&:= 2 + ((22 \times (22^2 - 2)) + ((22/2)^2)) \\
&:= (3^{3+3}) + (3 \times 3333 - 3/3) \\
&:= (44444/4) - ((4 + 4) \times (44 + 4)) \\
&:= ((55 + 5)/5 + 5) \times (((5^5 + 5)/5) + 5) \\
&:= 6 + ((66666/6 - 6 \times 66) + 6) \\
&:= 7 + (((77 - 7)/7) \times (((77 \times (7 + 7)) - 7) + 7/7)) \\
&:= (8/8 + 8 + 8) \times ((8 \times (88 - 8)) - (8/8 + 8)) \\
&:= (9 \times (9 \times 9)) + (9999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10728 &:= ((1 + 1)^{1+1+1}) \times (11 + (((11^{1+1+1}) - 1)) \\
&:= 2 \times (2 \times (((2 \times (22 + 2 + 2))^2) - 22)) \\
&:= (3^{3+3}) + 3 \times 3333 \\
&:= (44 \times ((4^4 - 4 \times 4) + 4)) - (4 + 4) \\
&:= 5 + ((5 \times ((5 \times 555) - 5)) - (((5 + 5)/5) + 5^5)) \\
&:= 6 \times (((6 - 6 \times 6) \times (6 - 66)) - (6 + 6)) \\
&:= (77/7 + 7) \times (((7 \times (77 + 7)) + 7/7) + 7) \\
&:= (8 + 8 + 8) \times ((8 \times ((8 \times 8) - 8)) - 8/8) \\
&:= (9 \times (9 \times 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10729 &:= ((11 - 1 - 1)^{1+1}) + (((11 + 11)^{1+1+1}) \\
&:= (22^{2/2+2}) + ((2/2 + 2)^{2+2}) \\
&:= (3 \times 3^3) + ((33 - 33/3)^3) \\
&:= 4 + ((4/4 + 4) \times (((4 - 4/4) + 4)^4) - 4^4) \\
&:= 5 + ((5 \times ((5 \times 555) - 5)) - (5^5 + 5/5)) \\
&:= 6/6 + (6 \times (((6 - 6 \times 6) \times (6 - 66)) - (6 + 6))) \\
&:= ((7 + 7) \times (777 - 7)) - (((7 + 7)/7) + (7 \times 7)) \\
&:= 8 + (((88/8) - 8)^8) + (8 \times ((8 \times 8 \times 8) + 8)) \\
&:= 9/9 + (9999 + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10730 &:= ((11 + (11 - 1)) \times (((1 + 1)^{11-1-1}) - 1)) - 1 \\
&:= (22 \times ((22^2 + 2) + 2)) - (2 + 2 + 2) \\
&:= 3 + ((3 \times 3333 - 3/3) + (3^{3+3})) \\
&:= (44 \times ((4^4 - 4 \times 4) + 4)) - (((4 + 4)/4) + 4) \\
&:= 5 + (55 \times ((5 \times 5 \times (5 + 5)) - 55)) \\
&:= ((6 + 6)/6) + (6 \times (((6 - 6 \times 6) \times (6 - 66)) - (6 + 6))) \\
&:= ((7 + 7) \times (777 - 7)) - (7/7 + (7 \times 7)) \\
&:= ((8 + 8)/8) + ((8 + 8 + 8) \times ((8 \times ((8 \times 8) - 8)) - 8/8)) \\
&:= (9 \times (9 \times 9)) + (9999 + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 10731 &:= (11 + (11 - 1)) \times (((1 + 1)^{11-1-1}) - 1) \\ &:= 2 + ((22^{2/2+2}) + ((2/2 + 2)^{2+2})) \\ &:= 3 + ((3 \times 3333) + (3^{3+3})) \\ &:= (44 \times ((4^4 - 4 \times 4) + 4)) - (4/4 + 4) \\ &:= 5 + ((55 \times ((5 \times 5 \times (5 + 5)) - 55)) + 5/5) \\ &:= ((66 + 6/6) + 6) \times ((666/6) + (6 \times 6)) \\ &:= ((7 + 7) \times (777 - 7)) - (7 \times 7) \\ &:= (8/8 - (8 \times 8 \times 8)) \times ((8 - (88 + 88))/8) \\ &:= (9 \times (9 \times 9)) + (9999 + ((9 + 9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10732 &:= 1 + ((11 + (11 - 1)) \times (((1 + 1)^{11-1-1}) - 1)) \\ &:= 2 \times ((22 \times ((22^2/2) + 2)) - 2) \\ &:= 3 + (((33 - 33/3)^3) + (3 \times 3^3)) \\ &:= (44 \times ((4^4 - 4 \times 4) + 4)) - 4 \\ &:= 5 + (((55 + 5)/5 + 5) \times (((5^5 + 5)/5) + 5)) \\ &:= 6 + (((((6 + 6)/6)^{6+6}) - (6 \times 6)) + 6666) \\ &:= 7/7 + (((7 + 7) \times (777 - 7)) - (7 \times 7)) \\ &:= 8 \times 8 + (((88 + 8)/8) \times (888 + 8/8)) \\ &:= (99 \times (99 + 9)) + (((9 \times (9 \times 9)) - 9)/(9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10733 &:= ((1 + 1) \times (((((1 + 1 + 1)^{11-1}) - 1)/11) - 1)) - 1 \\ &:= (22 \times ((22^2 + 2) + 2)) - (2/2 + 2) \\ &:= (33 \times 333) - ((3/3 + 3)^{3+3}) \\ &:= 4/4 + ((44 \times ((4^4 - 4 \times 4) + 4)) - 4) \\ &:= 5^5 + (((55 + 5)/5) \times (((5^5 - 5)/5) + 5) + 5) \\ &:= (6 \times ((6 - 6 \times 6) \times (6 - 66))) - (66 + 6/6) \\ &:= ((7 + 7)/7) + (((7 + 7) \times (777 - 7)) - (7 \times 7)) \\ &:= 8 + ((88/8) \times (((88 \times 88) - 8)/8) + 8) \\ &:= (99 \times (99 + 9)) + (((9 \times (9 \times 9)) + 9)/(9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10734 &:= (1 + 1) \times (((((1 + 1 + 1)^{11-1}) - 1)/11) - 1) \\ &:= (22 \times ((22^2 + 2) + 2)) - 2 \\ &:= 3 + (((3 \times 3333) + (3^{3+3})) + 3) \\ &:= (44 \times ((4^4 - 4 \times 4) + 4)) - ((4 + 4)/4) \\ &:= (5 \times 5 \times 555) - (((55/5) + 5^5) + 5) \\ &:= (6 \times ((6 - 6 \times 6) \times (6 - 66))) - 66 \\ &:= (((7 + 7 + 7)/7)^7) + (77 \times (777/7)) \\ &:= (88 \times ((888 + 88)/8)) - ((8 + 8)/8) \\ &:= (((9 + 9)/9)^9) \times (((99 + 9)/9) + 9) - (9 + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10735 &:= ((1 + 1) \times (((((1 + 1 + 1)^{11-1}) - 1)/11)) - 1) \\ &:= (22 \times ((22^2 + 2) + 2)) - 2/2 \\ &:= 3 + (((33 - 33/3)^3) + (3 \times 3^3)) + 3 \\ &:= (44 \times ((4^4 - 4 \times 4) + 4)) - 4/4 \\ &:= 5 + ((55 \times ((5 \times 5 \times (5 + 5)) - 55)) + 5) \\ &:= 6/6 + ((6 \times ((6 - 6 \times 6) \times (6 - 66))) - 66) \\ &:= (77/7) + ((7 + 7) \times (777 - (77/7))) \\ &:= (88 \times ((888 + 88)/8)) - 8/8 \\ &:= 9 + (9999 - ((9 + 9)/9)) + (9 \times (9 \times 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10736 &:= (1 + 1) \times (((((1 + 1 + 1)^{11-1}) - 1)/11)) \\ &:= 22 \times ((22^2 + 2) + 2) \\ &:= ((33/3) + 33) \times (((3^{3+3}) + 3)/3) \\ &:= 44 \times ((4^4 - 4 \times 4) + 4) \\ &:= (55/5) + (55 \times ((5 \times 5 \times (5 + 5)) - 55)) \\ &:= (((66 - 6)/6) + 6) \times ((666 - 6/6) + 6) \\ &:= ((77/7) + 77) \times ((777 + 77)/7) \\ &:= 88 \times ((888 + 88)/8) \\ &:= 9 + ((9999 - 9/9) + (9 \times (9 \times 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10737 &:= 1 + ((1 + 1) \times (((1 + 1 + 1)^{11-1}) - 1)/11)) \\ &:= 2/2 + (22 \times ((22^2 + 2) + 2)) \\ &:= (3^{3+3}) + (3 \times (3333 + 3)) \\ &:= 4/4 + (44 \times ((4^4 - 4 \times 4) + 4)) \\ &:= 5 + (((55 + 5)/5 + 5) \times (((5^5 + 5)/5) + 5)) + 5 \\ &:= 6 + (((66 + 6/6) + 6) \times ((666/6) + (6 \times 6))) \\ &:= 7 + (((7 + 7) \times (777 - 7)) - (7/7 + (7 \times 7))) \\ &:= 8/8 + (88 \times ((888 + 88)/8)) \\ &:= 9 + (9999 + (9 \times (9 \times 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10738 &:= (1 + 1) \times (1 + (((1 + 1 + 1)^{11-1}) - 1)/11)) \\ &:= 2 + (22 \times ((22^2 + 2) + 2)) \\ &:= (3 \times (3^3 + 3)) + ((33 - 33/3)^3) \\ &:= ((4 + 4)/4) + (44 \times ((4^4 - 4 \times 4) + 4)) \\ &:= (5 \times 5 \times 555) - (((55 + 5)/5) + 5^5) \\ &:= 66 + (((66 - 6)/6) + 6) \times (666 + 6/6) \\ &:= 7 + (((7 + 7) \times (777 - 7)) - (7 \times 7)) \\ &:= ((8 + 8)/8) + (88 \times ((888 + 88)/8)) \\ &:= 9 + ((9999 + (9 \times (9 \times 9))) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10739 &:= 1 + ((1 + 1) \times (1 + (((1 + 1 + 1)^{11-1}) - 1)/11))) \\ &:= 2 + ((22 \times ((22^2 + 2) + 2)) + 2/2) \\ &:= 3 + (((33/3) + 33) \times (((3^{3+3}) + 3)/3)) \\ &:= 4 + ((44 \times ((4^4 - 4 \times 4) + 4)) - 4/4) \\ &:= (5 \times 5 \times 555) - ((55/5) + 5^5) \\ &:= ((6 - 66) \times ((6 \times (6 - 6 \times 6)) + 6/6)) - 6/6 \\ &:= (((777/7) - 7)^{(7+7)/7}) - 77 \\ &:= ((88/8) \times (((88 \times 88) + 8)/8) + 8) - 8 \\ &:= (9 \times (9 \times 9)) + (9999 + 99/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 10740 &:= (1 + 1) \times (1 + (1 + (((1 + 1 + 1)^{11-1}) - 1)/11))) \\ &:= 2 + ((22 \times ((22^2 + 2) + 2)) + 2) \\ &:= 3 + ((3 \times (3333 + 3)) + (3^{3+3})) \\ &:= 4 + (44 \times ((4^4 - 4 \times 4) + 4)) \\ &:= (5 + 5) \times (((5 - 5/5)^5) - 5) + 55 \\ &:= (6 - 66) \times ((6 \times (6 - 6 \times 6)) + 6/6) \\ &:= ((77 + 7)/7) \times ((7 \times (((7 + 7)/7)^7)) - 7/7) \\ &:= ((88 + 8)/8) \times ((888 - 8/8) + 8) \\ &:= (9 \times (9 \times 9)) + (9999 + ((99 + 9)/9)) \end{aligned}$$

- ▶ **10741** := 11111 - ((1111 - 1)/(1 + 1 + 1))
:= 2 + (((22 × ((22² + 2) + 2)) + 2/2) + 2)
:= 3 + (((33 - 33/3)³) + (3 × (3³ + 3)))
:= 4 + ((44 × ((4⁴ - 4 × 4) + 4)) + 4/4)
:= 5⁵ + (((5/5 + 5)⁵) - (5 × (((5 + 5)/5)⁵)))
:= 6/6 + ((6 - 66) × ((6 × (6 - 6 × 6)) + 6/6))
:= ((77 + 7) × (((7 + 7)/7)⁷)) - (77/7)
:= (8 × (8 × ((88 - 8) + 88))) - (88/8)
:= (99 × (99 + 9)) + (((9 × 99) - 9)/(9 + 9))
- ▶ **10742** := ((11 × (1 + 11)) - 1) × (1 + ((11 - 1 - 1)¹⁺¹))
:= 2 + (((22 × ((22² + 2) + 2)) + 2) + 2)
:= ((3 × (3 + 3))³) + (((33/3 + 3) + 3)³) - 3
:= 4 + ((44 × ((4⁴ - 4 × 4) + 4)) + ((4 + 4)/4))
:= ((5 + 5)/5) + ((5 + 5) × (((5 - 5/5)⁵) - 5) + 55))
:= 6 + (((66 - 6)/6) + 6) × ((666 - 6/6) + 6)
:= (77/7) + (((7 + 7) × (777 - 7)) - (7 × 7))
:= ((8 - 88)/8) + (8 × (8 × ((88 - 8) + 88)))
:= (9/9 + (9 × 9)) × (((999 + 99)/9) + 9)
- ▶ **10743** := 1 + (((11 × (1 + 11)) - 1) × (1 + ((11 - 1 - 1)¹⁺¹)))
:= 2 + (((22 × ((22² + 2) + 2)) + 2/2) + 2) + 2)
:= (33 × 333) - ((3 × (3 × 3³)) + 3)
:= 4 + (((44 × ((4⁴ - 4 × 4) + 4)) - 4/4) + 4)
:= (5 × 5 × 555) - (((5 + 5)/5) + 5⁵) + 5)
:= 6 + (((66 + 6/6) + 6) × ((666/6) + (6 × 6))) + 6)
:= ((7 + 7) × 777) - (((7 + 7)/7)⁷) + 7)
:= (8 × (8 × ((88 - 8) + 88))) - (8/8 + 8)
:= (((9 + 9)/9)⁹) × (((99 + 9)/9) + 9)) - 9
- ▶ **10744** := ((1 + 1)¹⁺¹⁺¹) × (1 + (11 + (11¹⁺¹⁺¹)))
:= 2 × (((22 × ((22²/2) + 2)) + 2) + 2)
:= (3 × 33) + (((33 - 33/3)³) - 3)
:= 4 + ((44 × ((4⁴ - 4 × 4) + 4)) + 4)
:= (5 × 5 × 555) - ((5⁵ + 5/5) + 5)
:= 6666 + (((6 + 6)/6)⁶⁺⁶) - (6 + 6 + 6))
:= ((77 + 7) × (((7 + 7)/7)⁷)) - (7/7 + 7)
:= (8 × (8 × ((88 - 8) + 88))) - 8
:= 9 + (((9999 - ((9 + 9)/9)) + (9 × (9 × 9))) + 9)
- ▶ **10745** := 11111 - ((1 + 1 + 1) × (1 + (11¹⁺¹)))
:= (22/2) + ((22 × ((22² + 2) + 2)) - 2)
:= ((3 × (3 + 3))³) + (((33/3 + 3) + 3)³)
:= 4 + (((44 × ((4⁴ - 4 × 4) + 4)) + 4/4) + 4)
:= (5 × 5 × 555) - (5⁵ + 5)
:= (6 - 6/6) × ((6 × (6 × (66 - 6))) - (66/6))
:= ((77 + 7) × (((7 + 7)/7)⁷)) - 7
:= 8/8 + ((8 × (8 × ((88 - 8) + 88))) - 8)
:= 9 + (((9999 - 9/9) + (9 × (9 × 9))) + 9)
- ▶ **10746** := 1 + (11111 - ((1 + 1 + 1) × (1 + (11¹⁺¹))))
:= (2 × (((22 + 2) × (222 + 2)) - 2)) - 2
:= 3 × (3 × (((33 × (33 + 3)) + 3) + 3))
:= ((44 - 4)/4) + (44 × ((4⁴ - 4 × 4) + 4))
:= 5/5 + ((5 × 5 × 555) - (5⁵ + 5))
:= 6 + ((6 - 66) × ((6 × (6 - 6 × 6)) + 6/6))
:= 7/7 + (((77 + 7) × (((7 + 7)/7)⁷)) - 7)
:= ((8 + 8)/8) + ((8 × (8 × ((88 - 8) + 88))) - 8)
:= 9 + ((9999 + (9 × (9 × 9))) + 9)
- ▶ **10747** := 11 + ((1 + 1) × (((1 + 1 + 1)¹¹⁻¹) - 1/11))
:= (22/2) + (22 × ((22² + 2) + 2))
:= (3 × 33) + ((33 - 33/3)³)
:= (44/4) + (44 × ((4⁴ - 4 × 4) + 4))
:= ((5 + 5)/5) + ((5 × 5 × 555) - (5⁵ + 5))
:= 6 + (((6 - 66) × ((6 × (6 - 6 × 6)) + 6/6)) + 6/6)
:= ((7 + 7)/7) + (((77 + 7) × (((7 + 7)/7)⁷)) - 7)
:= (88/8) × (((88 × 88) + 8)/8) + 8)
:= 9 + (((9999 + (9 × (9 × 9))) + 9/9) + 9)
- ▶ **10748** := 111 + (((11 + 11)¹⁺¹⁺¹) - 11)
:= 2 × (((22 + 2) × (222 + 2)) - 2)
:= 3 + (((33/3 + 3) + 3)³) + ((3 × (3 + 3))³)
:= (4⁴ × (44 - ((4 + 4)/4))) - 4
:= (5 × 5 × 555) - (((5 + 5)/5) + 5⁵)
:= (66666/6) - ((66 × 66)/(6 + 6))
:= 7 + (((77 + 7) × (((7 + 7)/7)⁷)) - (77/7))
:= 8 + (((88 + 8)/8) × ((888 - 8/8) + 8))
:= 9 + ((9999 + 99/9) + (9 × (9 × 9)))
- ▶ **10749** := 1 + (111 + (((11 + 11)¹⁺¹⁺¹) - 11))
:= 2 + ((22 × ((22² + 2) + 2)) + (22/2))
:= ((33 - 3/3) × (333 + 3)) - 3
:= 4/4 + ((4⁴ × (44 - ((4 + 4)/4))) - 4)
:= (5 × 5 × 555) - (5⁵ + 5/5)
:= (6 × (6 - 66)) + (66666/6 - ((6 + 6)/6))
:= ((7 + 7) × 777) - (((7 + 7)/7)⁷) + 7/7)
:= 8 + ((8 × (8 × ((88 - 8) + 88))) - 88/8)
:= ((999/9) × (99 - ((9 + 9)/9))) - (9 + 9)
- ▶ **10750** := (11 - 1) × (1111 - ((1 + 1 + 1) × (1 + 11)))
:= (2 × ((22 + 2) × (222 + 2))) - 2
:= 3 + (((33 - 33/3)³) + (3 × 33))
:= (44 - 4/4) × (4⁴ - (((4 + 4)/4) + 4))
:= (5 × 5 × 555) - 5⁵
:= 6666 + (((6 + 6)/6)⁶⁺⁶) - (6 + 6))
:= ((7 + 7) × 777) - (((7 + 7)/7)⁷)
:= (8 × (8 × ((88 - 8) + 88))) - ((8 + 8)/8)
:= 9 + (((9 × 99) - 9)/(9 + 9)) + (99 × (99 + 9))

$$\begin{aligned}
\blacktriangleright 10751 &:= ((11 + (11 - 1)) \times ((1 + 1)^{11-1-1})) - 1 \\
&:= (2 \times ((22 + 2) \times (222 + 2))) - 2/2 \\
&:= ((33 - 3/3) \times (333 + 3)) - 3/3 \\
&:= (4^4 \times (44 - ((4 + 4)/4))) - 4/4 \\
&:= 5/5 + ((5 \times 5 \times 555) - 5^5) \\
&:= (6 \times (6 - 66)) + (66666/6) \\
&:= ((77 + 7) \times (((7 + 7)/7)^7)) - 7/7 \\
&:= (8 \times (8 \times ((88 - 8) + 88))) - 8/8 \\
&:= (((9 + 9)/9)^9) \times (((99 + 9)/9) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10752 &:= (11 + (11 - 1)) \times ((1 + 1)^{11-1-1}) \\
&:= 2 \times ((22 + 2) \times (222 + 2)) \\
&:= (33 - 3/3) \times (333 + 3) \\
&:= 4^4 \times (44 - ((4 + 4)/4)) \\
&:= ((5 + 5)/5) + ((5 \times 5 \times 555) - 5^5) \\
&:= (666 + 6) \times (((66 - 6)/6) + 6) \\
&:= (77 + 7) \times (((7 + 7)/7)^7) \\
&:= 8 \times (8 \times ((88 - 8) + 88)) \\
&:= (((9 + 9)/9)^9) \times (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10753 &:= 1 + ((11 + (11 - 1)) \times ((1 + 1)^{11-1-1})) \\
&:= 2/2 + (2 \times ((22 + 2) \times (222 + 2))) \\
&:= 3/3 + ((33 - 3/3) \times (333 + 3)) \\
&:= 4/4 + (4^4 \times (44 - ((4 + 4)/4))) \\
&:= 5 + ((5 \times 5 \times 555) - (((5 + 5)/5) + 5^5)) \\
&:= 6/6 + ((666 + 6) \times (((66 - 6)/6) + 6)) \\
&:= 7/7 + ((77 + 7) \times (((7 + 7)/7)^7)) \\
&:= 8/8 + (8 \times (8 \times ((88 - 8) + 88))) \\
&:= 9/9 + (((9 + 9)/9)^9) \times (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10754 &:= 1 + (1 + ((11 + (11 - 1)) \times ((1 + 1)^{11-1-1}))) \\
&:= 2 + (2 \times ((22 + 2) \times (222 + 2))) \\
&:= 3 + (((33 - 3/3) \times (333 + 3)) - 3/3) \\
&:= ((4 + 4)/4) + (4^4 \times (44 - ((4 + 4)/4))) \\
&:= 5 + ((5 \times 5 \times 555) - (5^5 + 5/5)) \\
&:= ((6 + 6)/6) + ((666 + 6) \times (((66 - 6)/6) + 6)) \\
&:= ((7 + 7)/7) + ((77 + 7) \times (((7 + 7)/7)^7)) \\
&:= ((8 + 8)/8) + (8 \times (8 \times ((88 - 8) + 88))) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) - ((9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10755 &:= 1 + (1 + (1 + ((11 + (11 - 1)) \times ((1 + 1)^{11-1-1})))) \\
&:= 2 + ((2 \times ((22 + 2) \times (222 + 2))) + 2/2) \\
&:= 3 + ((33 - 3/3) \times (333 + 3)) \\
&:= 4 + ((4^4 \times (44 - ((4 + 4)/4))) - 4/4) \\
&:= 5 + ((5 \times 5 \times 555) - 5^5) \\
&:= (6 - 6/6) \times (((6 \times 6)/(6 + 6))^{6/6+6}) - (6 \times 6) \\
&:= ((7 + 7 + 7)/7) + ((77 + 7) \times (((7 + 7)/7)^7)) \\
&:= 8 + ((88/8) \times (((88 \times 88) + 8)/8) + 8) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10756 &:= 111 + (((11 + 11)^{1+1+1}) - (1 + 1 + 1)) \\
&:= 2 \times ((22 + 2) \times (222 + 2)) + 2 \\
&:= (3 \times (33 + 3)) + ((33 - 33/3)^3) \\
&:= 4 + (4^4 \times (44 - ((4 + 4)/4))) \\
&:= 5 + (((5 \times 5 \times 555) - 5^5) + 5/5) \\
&:= 6666 + (((6 + 6)/6)^{6+6}) - 6 \\
&:= (77/7) + (((77 + 7) \times (((7 + 7)/7)^7)) - 7) \\
&:= 88 + (((88 + 8)/8) \times (888 + 8/8)) \\
&:= 9/9 + (((99 \times (99 + 9)) - (9 + 9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10757 &:= 111 + (((11 + 11)^{1+1+1}) - (1 + 1)) \\
&:= (222/2) + ((22^{2/2+2}) - 2) \\
&:= 33 \times 333 + ((33 - (3^3+3))/3) \\
&:= 4 + ((4^4 \times (44 - ((4 + 4)/4))) + 4/4) \\
&:= 5 + (((5 \times 5 \times 555) - 5^5) + ((5 + 5)/5)) \\
&:= 6 + (66666/6 + (6 \times (6 - 66))) \\
&:= 7 + (((7 + 7) \times 777) - (((7 + 7)/7)^7)) \\
&:= 8 + (((8 \times (8 \times ((88 - 8) + 88))) - 88/8) + 8) \\
&:= 9 + (((9999 + 99/9) + (9 \times (9 \times 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10758 &:= 111 + (((11 + 11)^{1+1+1}) - 1) \\
&:= 22 + (22 \times ((22^2 + 2) + 2)) \\
&:= 33 \times (333 - (3/3 + 3 + 3)) \\
&:= 4 + ((4^4 \times (44 - ((4 + 4)/4))) + ((4 + 4)/4)) \\
&:= 5 + (((5 \times 5 \times 555) - (((5 + 5)/5) + 5^5)) + 5) \\
&:= (6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) - 6 \\
&:= 7 + (((77 + 7) \times (((7 + 7)/7)^7)) - 7/7) \\
&:= 8 + ((8 \times (8 \times ((88 - 8) + 88))) - ((8 + 8)/8)) \\
&:= ((999/9) \times (99 - ((9 + 9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10759 &:= 111 + ((11 + 11)^{1+1+1}) \\
&:= (222/2) + (22^{2/2+2}) \\
&:= (333/3) + ((33 - 33/3)^3) \\
&:= (44444/4) - ((4 + 4) \times 44) \\
&:= 5 + (((5 \times 5 \times 555) - (5^5 + 5/5)) + 5) \\
&:= 6/6 + ((6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) - 6) \\
&:= 7 + ((77 + 7) \times (((7 + 7)/7)^7)) \\
&:= 8 + ((8 \times (8 \times ((88 - 8) + 88))) - 8/8) \\
&:= 9/9 + (((999/9) \times (99 - ((9 + 9)/9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10760 &:= 1 + (111 + ((11 + 11)^{1+1+1})) \\
&:= 2 + ((22 \times ((22^2 + 2) + 2)) + 22) \\
&:= ((333 + 3)/3) + ((33 - 33/3)^3) \\
&:= 4 + ((4^4 \times (44 - ((4 + 4)/4))) + 4) \\
&:= 5 + (((5 \times 5 \times 555) - 5^5) + 5) \\
&:= ((6 + 6)/6) + ((6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) - 6) \\
&:= 7 + (((77 + 7) \times (((7 + 7)/7)^7)) + 7/7) \\
&:= 8 + (8 \times (8 \times ((88 - 8) + 88))) \\
&:= ((99/9) \times (999 - (99/9 + 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10761 &:= 1 + (1 + (111 + ((11 + 11)^{1+1+1})) \\
&:= 2 + ((22^{2/2+2}) + 222/2) \\
&:= 3 + (33 \times (333 - (3/3 + 3 + 3))) \\
&:= ((4 \times 4) + 4/4) \times (((4/4 + 4)^4) + 4) + 4 \\
&:= (55/5) + ((5 \times 5 \times 555) - 5^5) \\
&:= 6666 + (((6 + 6)/6)^{6+6}) - 6/6 \\
&:= (77777/7) - (7 \times 7 \times 7 + 7) \\
&:= 8 + ((8 \times (8 \times ((88 - 8) + 88))) + 8/8) \\
&:= 9 + (((9 + 9)/9)^9) \times (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10762 &:= 1 + (1 + (1 + (111 + ((11 + 11)^{1+1+1}))) \\
&:= 2 + (((22 \times ((22^2 + 2) + 2)) + 22) + 2) \\
&:= 3 + (((33 - 33/3)^3) + (333/3)) \\
&:= ((44 - 4)/4) + (4^4 \times (44 - ((4 + 4)/4))) \\
&:= ((55 + 5)/5) + ((5 \times 5 \times 555) - 5^5) \\
&:= 6666 + (((6 + 6)/6)^{6+6}) \\
&:= ((7 + 7) \times (777 - 7)) - (77/7 + 7) \\
&:= 8 + ((8 \times (8 \times ((88 - 8) + 88))) + ((8 + 8)/8)) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10763 &:= 11 + ((11 + (11 - 1)) \times ((1 + 1)^{11-1-1})) \\
&:= 2 + (((22^{2/2+2}) + 222/2) + 2) \\
&:= (33/3) + ((33 - 3/3) \times (333 + 3)) \\
&:= (44/4) + (4^4 \times (44 - ((4 + 4)/4))) \\
&:= (5 \times (5 \times (5 \times 55))) + (((5/5 + 5)^5)/(5 + 5)/5) \\
&:= (6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) - 6/6 \\
&:= (77/7) + ((77 + 7) \times (((7 + 7)/7)^7)) \\
&:= 88/8 + (8 \times (8 \times ((88 - 8) + 88))) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10764 &:= (1 + 11) \times (1 + ((1 + 111) \times ((1 + 1)^{1+1+1}))) \\
&:= ((2^{2+2}) + 2) \times (((22 + 2)^2) + 22) \\
&:= (3 \times 3 + 3) \times (((33 \times 3^3) + 3) + 3) \\
&:= (44 \times (4^4 - 44/4)) - (4 \times 4) \\
&:= ((55/5) + 5 \times 5) \times ((5 \times (55 + 5)) - 5/5) \\
&:= 6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6) \\
&:= 7 + (((7 + 7) \times 777) - (((7 + 7)/7)^7)) + 7 \\
&:= ((88 + 8)/8) \times ((888 + 8/8) + 8) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10765 &:= (111 \times (111 - (1 + 1 + 1 + 11))) - (1 + 1) \\
&:= ((22/2)^2) + ((22^{2/2+2}) - (2 + 2)) \\
&:= 3/3 + ((3 \times 3 + 3) \times (((33 \times 3^3) + 3) + 3)) \\
&:= 4 + (((4 \times 4) + 4/4) \times (((4/4 + 4)^4) + 4) + 4) \\
&:= 5 + (((5 \times 5 \times 555) - 5^5) + 5) + 5 \\
&:= 6/6 + (6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) \\
&:= ((7 + 7) \times (777 - 7)) - ((7/7 + 7) + 7) \\
&:= 8/8 + (((88 + 8)/8) \times ((888 + 8/8) + 8)) \\
&:= 9/9 + (((99 \times (99 + 9)) - 9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10766 &:= (111 \times (111 - (1 + 1 + 1 + 11))) - 1 \\
&:= 2 + (((2^{2+2}) + 2) \times (((22 + 2)^2) + 22)) \\
&:= 3 + (((33 - 3/3) \times (333 + 3)) + (33/3)) \\
&:= 4 + ((4^4 \times (44 - ((4 + 4)/4))) + ((44 - 4)/4)) \\
&:= 5 + (((5 \times 5 \times 555) - 5^5) + (55/5)) \\
&:= ((6 + 6)/6) + (6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) \\
&:= (7 + 7) \times (777 - (7/7 + 7)) \\
&:= (8 - 8/8) \times ((8 \times 8 \times (8 + 8 + 8)) + ((8 + 8)/8)) \\
&:= 9 \times 9 + (((99 \times (99 + 9)) - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10767 &:= 111 \times (111 - (1 + 1 + 1 + 11)) \\
&:= ((22/2)^2) + ((22^{2/2+2}) - 2) \\
&:= 3 + ((3 \times 3 + 3) \times (((33 \times 3^3) + 3) + 3)) \\
&:= (444/4) \times (((4 - 4/4)^4) + 4 \times 4) \\
&:= 5 + (((5 \times 5 \times 555) - 5^5) + ((55 + 5)/5)) \\
&:= 666 + 666666/66 \\
&:= (777/7) \times ((7 \times (7 + 7)) - 7/7) \\
&:= (888/8) \times ((8/8 + 88) + 8) \\
&:= (999/9) \times (99 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10768 &:= 1 + (111 \times (111 - (1 + 1 + 1 + 11))) \\
&:= 2 \times (((22 + 2) \times (222 + 2)) + (2 \times (2 + 2))) \\
&:= (33333/3) - ((3/3 + 3 + 3)^3) \\
&:= 4 \times ((4 \times (4 \times ((4 \times 44) - (4 + 4)))) + 4) \\
&:= (55/5 + 5) \times (((5^5 - (5 + 5))/5) - 5) + 55 \\
&:= 6 + (((6 + 6)/6)^{6+6}) + 66666 \\
&:= (77777/7) - (7 \times 7 \times 7) \\
&:= 8 + ((8 \times (8 \times ((88 - 8) + 88))) + 8) \\
&:= 9/9 + ((999/9) \times (99 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10769 &:= 11 \times (11 \times (111 - (11 + 11))) \\
&:= ((22/2)^2) + (22^{2/2+2}) \\
&:= (33/3) \times ((3 \times (333 - 3)) - 33/3) \\
&:= (44/4) \times ((4 \times 4^4) - (44 + 4/4)) \\
&:= (55/5) \times (((5 - 5/5)^5) - 55) + 5) + 5 \\
&:= 6 + ((6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) - 6/6) \\
&:= ((7 + 7) \times (777 - 7)) - (77/7) \\
&:= (88/8) \times ((88/8) \times (8/8 + 88)) \\
&:= (99/9) \times (999 - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10770 &:= ((111 - (1 + 1))^{1+1}) - 1111 \\
&:= 22 + (2 \times (((22 + 2) \times (222 + 2)) - 2)) \\
&:= (33 \times 333) - (((3 + 3)^3) + 3) \\
&:= ((4 - 44)/4) + (44 \times (4^4 - 44/4)) \\
&:= (5 \times (5 \times 555 + 5)) - (5^5 + 5) \\
&:= 6 + (6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) \\
&:= ((7 - 77)/7) + ((7 + 7) \times (777 - 7)) \\
&:= 8 + (((8 \times (8 \times ((88 - 8) + 88))) + ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 + 9)/9)^9) \times (((99 + 9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10771 &:= 1 + (((111 - (1 + 1))^{1+1}) - 1111) \\
&:= 2 + ((22^{2/2+2}) + ((22/2)^2)) \\
&:= 3/3 + ((33 \times 333) - (((3 + 3)^3) + 3)) \\
&:= 4 + ((444/4) \times (((4 - 4/4)^4) + 4 \times 4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 \times 5 \times 5 + 5)) \\
&:= 6 + ((6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) + 6/6) \\
&:= ((7 + 7) \times (777 - 7)) - ((7 + 7)/7 + 7) \\
&:= 8 + ((8 \times (8 \times ((88 - 8) + 88))) + (88/8)) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10772 &:= 1 + (1 + (((111 - (1 + 1))^{1+1}) - 1111)) \\
&:= 2 \times ((2 \times ((2 \times (22 + 2 + 2))^2)) - 22) \\
&:= (33 \times 333) - (((3 + 3)^3) + 3/3) \\
&:= (44 \times (4^4 - 44/4)) - (4 + 4) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 \times 5 \times 5 + 5)) + 5/5 \\
&:= 6 + ((6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) + ((6 + 6)/6)) \\
&:= ((7 + 7) \times (777 - 7)) - (7/7 + 7) \\
&:= 8 + (((88 + 8)/8) \times ((888 + 8/8) + 8)) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10773 &:= (11 + (11 - 1)) \times (1 + ((1 + 1)^{11-1-1})) \\
&:= 2 + (((22^{2/2+2}) + ((22/2)^2)) + 2) \\
&:= 3^3 \times ((33 \times (3 \times 3 + 3)) + 3) \\
&:= ((4^4 - 4)/4) \times ((4 \times 44) - (4/4 + 4)) \\
&:= (5 \times (5 \times 555 + 5)) - (((5 + 5)/5) + 5^5) \\
&:= 6 + ((666666/66) + 666) \\
&:= ((7 + 7) \times (777 - 7)) - 7 \\
&:= (8/8 + 8) \times (((88/8) + 8) \times ((8 \times 8) - 8/8)) \\
&:= 9 \times 9 + (99 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10774 &:= 1 + ((11 + (11 - 1)) \times (1 + ((1 + 1)^{11-1-1}))) \\
&:= 22 + (2 \times ((22 + 2) \times (222 + 2))) \\
&:= 3/3 + (3^3 \times ((33 \times (3 \times 3 + 3)) + 3)) \\
&:= (44 \times (4^4 - 44/4)) - (((4 + 4)/4) + 4) \\
&:= (5 \times (5 \times 555 + 5)) - (5^5 + 5/5) \\
&:= 6 + (((((6 + 6)/6)^{6+6}) + 6666) + 6) \\
&:= 7/7 + (((7 + 7) \times (777 - 7)) - 7) \\
&:= 8 + ((8 - 8/8) \times ((8 \times 8 \times (8 + 8 + 8)) + ((8 + 8)/8))) \\
&:= 9/9 + ((99 \times (99 + 9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10775 &:= 11111 - ((1 + 1 + 1) \times (1 + 111)) \\
&:= (22^{2/2+2}) + (((2^{2 \times (2+2)}) - 2)/2) \\
&:= (33333/3) - (333 + 3) \\
&:= (44 \times (4^4 - 44/4)) - (4/4 + 4) \\
&:= (5 \times (5 \times 555 + 5)) - 5^5 \\
&:= (66/6) + (6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) \\
&:= 7 + ((77777/7) - (7 \times 7 \times 7)) \\
&:= 8 + ((888/8) \times ((8/8 + 88) + 8)) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10776 &:= 1 + (11111 - ((1 + 1 + 1) \times (1 + 111))) \\
&:= 2 \times ((22 \times (((22^2 + 2)/2) + 2)) - 2) \\
&:= 3 + (3^3 \times ((33 \times (3 \times 3 + 3)) + 3)) \\
&:= (44 \times (4^4 - 44/4)) - 4 \\
&:= 5^5 + (((5/5 + 5)^5) - (5 \times 5 \times 5)) \\
&:= 6 + ((6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) + 6) \\
&:= 7 + (((7 + 7) \times (777 - 7)) - (77/7)) \\
&:= (8 + 8 + 8) \times ((8 \times (8 \times 8) - 8)) + 8/8 \\
&:= 9 + ((999/9) \times (99 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10777 &:= 11111 - (1 + ((1 + 1 + 1) \times 111)) \\
&:= ((22/2)^2) + (2 \times (222 \times (22 + 2))) \\
&:= 3 + ((3^3 \times ((33 \times (3 \times 3 + 3)) + 3)) + 3/3) \\
&:= 4/4 + ((44 \times (4^4 - 44/4)) - 4) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 \times 5 \times 5)) + 5/5 \\
&:= 6 + (((6 \times (((6 - 6 \times 6) \times (6 - 66)) - 6)) + 6/6) + 6) \\
&:= ((7 + 7) \times (777 - 7)) - ((7 + 7 + 7)/7) \\
&:= 8 + ((88/8) \times ((88/8) \times (8/8 + 88))) \\
&:= 9 + (((999/9) \times (99 - ((9 + 9)/9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10778 &:= 11111 - ((1 + 1 + 1) \times 111) \\
&:= (22 \times (((22^2 + 2) + 2) + 2)) - 2 \\
&:= (33333/3) - 333 \\
&:= (44 \times (4^4 - 44/4)) - ((4 + 4)/4) \\
&:= ((55 + 5)/5 + 5) \times (((5^5 - 5)/5) + 5) + 5 \\
&:= (66666/6) - (666/((6 + 6)/6)) \\
&:= ((7 + 7) \times (777 - 7)) - ((7 + 7)/7) \\
&:= 88/8 + ((888/8) \times ((8/8 + 88) + 8)) \\
&:= 9 + ((99/9) \times (999 - (99/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10779 &:= 1 + (11111 - ((1 + 1 + 1) \times 111)) \\
&:= (22 \times (((22^2 + 2) + 2) + 2)) - 2/2 \\
&:= 3 + ((3^3 \times ((33 \times (3 \times 3 + 3)) + 3)) + 3) \\
&:= (44 \times (4^4 - 44/4)) - 4/4 \\
&:= 5 + ((5 \times (5 \times 555 + 5)) - (5^5 + 5/5)) \\
&:= 6 + (((666666/66) + 666) + 6) \\
&:= ((7 + 7) \times (777 - 7)) - 7/7 \\
&:= 8 + (((8 \times (8 \times ((88 - 8) + 88))) + (88/8)) + 8) \\
&:= ((99 - 9/9) \times (999/9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10780 &:= (111 - 1) \times (111 - 1 - 1 - 11) \\
&:= 22 \times (((22^2 + 2) + 2) + 2) \\
&:= ((3 \times 33) - 3/3) \times ((333 - 3)/3) \\
&:= 44 \times (4^4 - 44/4) \\
&:= 5 + ((5 \times (5 \times 555 + 5)) - 5^5) \\
&:= (((666 - 6)/6) - 6)^{(6+6)/6} - (6 \times 6) \\
&:= (7 + 7) \times (777 - 7) \\
&:= (88/8) \times (((88 \times 88) + 88) + 8/8) \\
&:= (99 - 9/9) \times ((99/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10781 &:= 1 + ((111 - 1) \times (111 - 1 - 1 - 11)) \\
&:= 2/2 + (22 \times (((22^2 + 2) + 2) + 2)) \\
&:= 3 + ((33333/3) - 333) \\
&:= 4/4 + (44 \times (4^4 - 44/4)) \\
&:= 5 + (((5/5 + 5)^5) - (5 \times 5 \times 5)) + 5^5 \\
&:= 66 + (66666/6 - 6 \times 66) \\
&:= 7/7 + ((7 + 7) \times (777 - 7)) \\
&:= 8 + ((8/8 + 8) \times (((88/8) + 8) \times ((8 \times 8) - 8/8))) \\
&:= 9 + (((99 \times (99 + 9)) - 9/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10782 &:= (11 - 1 - 1) \times ((11 \times (111 - (1 + 1))) - 1) \\
&:= 2 + (22 \times (((22^2 + 2) + 2) + 2)) \\
&:= (33 \times (333 - (3 + 3))) - (3 \times 3) \\
&:= ((4 + 4)/4) + (44 \times (4^4 - 44/4)) \\
&:= (((5 + 5)/5)^5) + ((5 \times 5 \times 555) - 5^5) \\
&:= (6 + 6 + 6) \times (666 - (66 + 6/6)) \\
&:= ((7 + 7)/7) + ((7 + 7) \times (777 - 7)) \\
&:= (8/8 + 8) \times (((8888 - 8)/8) + 88) \\
&:= 9 + ((99 \times (99 + 9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10783 &:= 1 + ((11 - 1 - 1) \times ((11 \times (111 - (1 + 1))) - 1)) \\
&:= 2 + ((22 \times (((22^2 + 2) + 2) + 2)) + 2/2) \\
&:= 3 + (((3 \times 33) - 3/3) \times ((333 - 3)/3)) \\
&:= 4 + ((44 \times (4^4 - 44/4)) - 4/4) \\
&:= 5 + (((55 + 5)/5 + 5) \times (((5^5 - 5)/5) + 5) + 5) \\
&:= (6 \times ((6 - 6 \times 6) \times (6 - 66))) - ((66/6) + 6) \\
&:= ((7 + 7 + 7)/7) + ((7 + 7) \times (777 - 7)) \\
&:= 8 + (((888/8) \times ((8/8 + 88) + 8)) + 8) \\
&:= 9 + (((99 \times (99 + 9)) + (9 \times 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10784 &:= 11111 - ((1 + 1 + 1) \times (111 - (1 + 1))) \\
&:= (2^{2+2}) \times (((22 + 2 + 2)^2) - 2) \\
&:= (33 - 3/3) \times ((333 + 3/3) + 3) \\
&:= 4 + (44 \times (4^4 - 44/4)) \\
&:= (55/5 + 5) \times (((5^5 - 5)/5) - 5) + 55 \\
&:= ((6 + 6)/6) \times (((6 + 6)/6)^{6+6}) + (6 \times 6 \times 6 \times 6) \\
&:= (77/7) + (((7 + 7) \times (777 - 7)) - 7) \\
&:= 8 + ((8 + 8 + 8) \times ((8 \times (8 \times 8) - 8)) + 8/8) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10785 &:= 1 + (11111 - ((1 + 1 + 1) \times (111 - (1 + 1)))) \\
&:= 2/2 + ((2^{2+2}) \times (((22 + 2 + 2)^2) - 2)) \\
&:= (33 \times (333 - (3 + 3))) - (3 + 3) \\
&:= 4 + ((44 \times (4^4 - 44/4)) + 4/4) \\
&:= ((5 + 5) \times (((5 - 5/5)^5) + 55)) - 5 \\
&:= (6 - 6/6) \times ((6 \times (6 \times (66 - 6))) - (6 \times 6/(6 + 6))) \\
&:= 7 + (((7 + 7) \times (777 - 7)) - ((7 + 7)/7)) \\
&:= ((8 - 8/8) + 8) \times (((8 \times 88) - 8/8) + 8) + 8 \\
&:= 9 + (((999/9) \times (99 - (9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10786 &:= 11 + (11111 - ((1 + 1 + 1) \times (1 + 111))) \\
&:= 2 + ((2^{2+2}) \times (((22 + 2 + 2)^2) - 2)) \\
&:= 3/3 + ((33 \times (333 - (3 + 3))) - (3 + 3)) \\
&:= 4 + ((44 \times (4^4 - 44/4)) + ((4 + 4)/4)) \\
&:= 5 + (((5/5 + 5)^5) - (5 \times 5 \times 5)) + 5^5 + 5 \\
&:= 6 + (((666 - 6)/6) - 6)^{(6+6)/6} - (6 \times 6) \\
&:= 7 + (((7 + 7) \times (777 - 7)) - 7/7) \\
&:= (((88/8) - 8)^8) + ((8/8 + (8 \times 8))^{(8+8)/8}) \\
&:= 99 + (((9 - 99)/(9 + 9)) + (99 \times (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10787 &:= 11111 - (((1 + 1) \times (11 - 1 - 1))^{1+1}) \\
&:= (22222/2) - (((2^{2+2}) + 2)^2) \\
&:= (33 \times (333 - (3 + 3))) - (3/3 + 3) \\
&:= 4 + (((44 \times (4^4 - 44/4)) - 4/4) + 4) \\
&:= ((5 \times 5 - 5) \times 555) - ((5^5 + 5)/(5 + 5)) \\
&:= (6 \times ((6 - 66) + 6)) + (66666/6) \\
&:= 7 + ((7 + 7) \times (777 - 7)) \\
&:= (8 \times (8 + 8)) + ((88/8) \times (((88 \times 88) + 8)/8)) \\
&:= (99999/9) - ((9 + 9) \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10788 &:= (1 + 11) \times (((11 - 1) \times (1 + 1 + 1))^{1+1}) - 1 \\
&:= 2 + (((2^{2+2}) \times (((22 + 2 + 2)^2) - 2)) + 2) \\
&:= (33 \times (333 - (3 + 3))) - 3 \\
&:= 4 + ((44 \times (4^4 - 44/4)) + 4) \\
&:= ((55 + 5)/5) \times (((5^5 - 5)/5) + (5 \times 55)) \\
&:= (6 \times ((6 - 6 \times 6) \times (6 - 66))) - (6 + 6) \\
&:= 7 + (((7 + 7) \times (777 - 7)) + 7/7) \\
&:= ((88 + 8)/8) \times (888 + (88/8)) \\
&:= ((99 + 9)/9) \times (((9 \times 99) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10789 &:= 1 + ((1 + 11) \times (((11 - 1) \times (1 + 1 + 1))^{1+1}) - 1) \\
&:= 2 + ((22222/2) - (((2^{2+2}) + 2)^2)) \\
&:= 3/3 + ((33 \times (333 - (3 + 3))) - 3) \\
&:= ((44 - 4/4) \times (4^4 - (4/4 + 4))) - 4 \\
&:= ((5 + 5) \times (((5 - 5/5)^5) + 55)) - 5/5 \\
&:= (6 \times ((6 - 6 \times 6) \times (6 - 66))) - (66/6) \\
&:= 7 + (((7 + 7) \times (777 - 7)) + (7 + 7)/7) \\
&:= 8/8 + (((88 + 8)/8) \times (888 + (88/8))) \\
&:= 9 + ((99 - 9/9) \times ((99/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10790 &:= (11 \times ((11 - 1 - 1) \times (111 - (1 + 1)))) - 1 \\
&:= (2/2 + 2 + 2) \times (((2 \times 22)^2) + 222) \\
&:= (33 \times (333 - (3 + 3))) - 3/3 \\
&:= ((4/4 + 4^4) \times (44 - ((4 + 4)/4))) - 4 \\
&:= (5 + 5) \times (((5 - 5/5)^5) + 55) \\
&:= (6 - 6/6) \times ((6 \times (6 \times (66 - 6))) - ((6 + 6)/6)) \\
&:= ((77 - 7)/7) + ((7 + 7) \times (777 - 7)) \\
&:= 8 + ((8/8 + 8) \times (((8888 - 8)/8) + 88)) \\
&:= 99 + ((99 \times (99 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10791 &:= 11 \times ((11 - 1 - 1) \times (111 - (1 + 1))) \\
&:= 22 + ((22^{2/2+2}) + ((22/2)^2)) \\
&:= 33 \times (333 - (3 + 3)) \\
&:= (44/4) + (44 \times (4^4 - 44/4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (55 + 55)) \\
&:= (66/6) \times (((6 \times 6/(6 + 6))^6) + (6 \times (6 \times 6 + 6))) \\
&:= (77/7) + ((7 + 7) \times (777 - 7)) \\
&:= (8/8 + 8) \times ((8888/8) + 88) \\
&:= 99 + (99 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10792 &:= 1 + (11 \times ((11 - 1 - 1) \times (111 - (1 + 1)))) \\
&:= (22^{2/2+2}) + ((2 \times (2 + 2 + 2))^2) \\
&:= 3/3 + (33 \times (333 - (3 + 3))) \\
&:= ((4^4 - 4) \times (44 - 4/4)) - 44 \\
&:= ((5 + 5)/5) + ((5 + 5) \times (((5 - 5/5)^5) + 55)) \\
&:= (6 \times ((6 - 6 \times 6) \times (6 - 66))) - ((6 + 6)/6 + 6) \\
&:= ((77 + 7)/7) + ((7 + 7) \times (777 - 7)) \\
&:= ((88/8) + 8) \times ((8 \times ((8 \times 8) + 8)) - 8) \\
&:= 9/9 + ((99 \times (99 + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10793 &:= 1 + (1 + (11 \times ((11 - 1 - 1) \times (111 - (1 + 1)))))) \\
&:= ((2 \times (2 \times (22 + 2 + 2)))^2) - (22 + 2/2) \\
&:= 3 + ((33 \times (333 - (3 + 3))) - 3/3) \\
&:= (44 - 4/4) \times (4^4 - (4/4 + 4)) \\
&:= 5 + (((5 \times 5 - 5) \times 555) + ((5 - 5^5)/(5 + 5))) \\
&:= (6 \times ((6 - 6 \times 6) \times (6 - 66))) - (6/6 + 6) \\
&:= 7 + (((7 + 7) \times (777 - 7)) - 7/7 + 7) \\
&:= 8/8 + (((88/8) + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) \\
&:= 99 + ((99 \times (99 + 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10794 &:= (11 + (11 - 1)) \times (1 + (1 + ((1 + 1)^{11-1-1}))) \\
&:= ((2 \times (2 \times (22 + 2 + 2)))^2) - 22 \\
&:= 3 + (33 \times (333 - (3 + 3))) \\
&:= (4/4 + 4^4) \times (44 - ((4 + 4)/4)) \\
&:= 5 + (((5 + 5) \times (((5 - 5/5)^5) + 55)) - 5/5) \\
&:= (6 \times ((6 - 6 \times 6) \times (6 - 66))) - 6 \\
&:= 7 + (((7 + 7) \times (777 - 7)) + 7) \\
&:= ((8 + 8)/8) + (((88/8) + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) \\
&:= (999/9) + ((99 \times (99 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10795 &:= (1 + 1 + 1 + 1 + 1) \times (111 + ((1 + 1)^{11})) \\
&:= 2/2 + (((2 \times (2 \times (22 + 2 + 2)))^2) - 22) \\
&:= 3 + ((33 \times (333 - (3 + 3))) + 3/3) \\
&:= ((4/4 + 4^4) \times (44 - 4/4)) - 4^4 \\
&:= 5 + ((5 + 5) \times (((5 - 5/5)^5) + 55)) \\
&:= 6/6 + ((6 \times ((6 - 6 \times 6) \times (6 - 66))) - 6) \\
&:= 7 + (((7 + 7) \times (777 - 7)) + 7/7 + 7) \\
&:= ((8 \times (8 + 8)) - 8/8) \times ((88 - 88/8) + 8) \\
&:= (99 \times (99 + 9)) + (((999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10796 &:= 1 + ((1 + 1 + 1 + 1 + 1) \times (111 + ((1 + 1)^{11}))) \\
&:= 2 + (((2 \times (2 \times (22 + 2 + 2)))^2) - 22) \\
&:= 3 + (((33 \times (333 - (3 + 3))) - 3/3) + 3) \\
&:= 4 \times 4 + (44 \times (4^4 - 44/4)) \\
&:= (55 \times 55) + (((5/5 + 5)^5) - 5) \\
&:= ((6 + 6)/6) + ((6 \times ((6 - 6 \times 6) \times (6 - 66))) - 6) \\
&:= 7 + (((7 + 7) \times (777 - 7)) + ((7 + 7)/7) + 7) \\
&:= 8 + (((88 + 8)/8) \times (888 + (88/8))) \\
&:= 9 + ((9999/9) - ((9 + 9) \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10797 &:= (1 + 1 + 1) \times (((((11^{1+1}) - 1)/(1 + 1))^{1+1}) - 1) \\
&:= ((22/2)^{2+2}) - (((2^{2+2+2}) - 2)^2) \\
&:= 3 + ((33 \times (333 - (3 + 3))) + 3) \\
&:= 4 + ((44 - 4/4) \times (4^4 - (4/4 + 4))) \\
&:= 5/5 + (((5/5 + 5)^5) - 5) + (55 \times 55) \\
&:= (66 - 6 + 6/6) \times (666/6 + 66) \\
&:= 7 + (((7 + 7) \times (777 - 7)) + ((77 - 7)/7)) \\
&:= ((88 + 8 + 8)^{(8+8)/8}) - ((88/8) + 8) \\
&:= ((99 - 9/9) \times (999/9)) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10798 &:= ((1 + 11) \times (((11 - 1) \times (1 + 1 + 1))^{1+1})) - (1 + 1) \\
&:= ((22 + 2) \times ((2 \times (222 + 2)) + 2)) - 2 \\
&:= 3 + (((33 \times (333 - (3 + 3))) + 3/3) + 3) \\
&:= 4 + (((4/4 + 4^4) \times (44 - ((4 + 4)/4))) \\
&:= (55555/5) - ((5^5 + 5)/(5 + 5)) \\
&:= (6 \times ((6 - 6 \times 6) \times (6 - 66))) - ((6 + 6)/6) \\
&:= 7 + (((7 + 7) \times (777 - 7)) + (77/7)) \\
&:= 88 + (((8 + 8)/8) + 88) \times ((888/8) + 8) \\
&:= 999 + ((99 \times 99) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10799 &:= ((1 + 11) \times (((11 - 1) \times (1 + 1 + 1))^{1+1})) - 1 \\
&:= ((22 + 2) \times ((2 \times (222 + 2)) + 2)) - 2/2 \\
&:= (3 \times ((3^3 + 33)^{3-3/3})) - 3/3 \\
&:= (((4 \times (4 + 4)) + 4) \times (44 + 4^4)) - 4/4 \\
&:= ((55 + 5) \times (5 \times 5 \times 5 + 55)) - 5/5 \\
&:= (6 \times ((6 - 6 \times 6) \times (6 - 66))) - 6/6 \\
&:= ((7 + 7) \times 777) - (((7 + 7)/7) + 77) \\
&:= 8 + ((8/8 + 8) \times ((8888/8) + 88)) \\
&:= 999 + ((99 \times 99) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10800 &:= (1 + 11) \times (((11 - 1) \times (1 + 1 + 1))^{1+1}) \\
&:= (22 + 2) \times ((2 \times (222 + 2)) + 2) \\
&:= 3 \times ((3^3 + 33)^{3-3/3}) \\
&:= ((4 \times (4 + 4)) + 4) \times (44 + 4^4) \\
&:= (55 + 5) \times (5 \times 5 \times 5 + 55) \\
&:= 6 \times ((6 - 6 \times 6) \times (6 - 66)) \\
&:= ((7 + 7) \times 777) - (7/7 + 77) \\
&:= (88 - 8) \times (((8 \times (8 + 8)) - 8/8) + 8) \\
&:= 999 + (99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10801 &:= 1 + ((1 + 11) \times (((11 - 1) \times (1 + 1 + 1))^{1+1})) \\
&:= 2/2 + ((22 + 2) \times ((2 \times (222 + 2)) + 2)) \\
&:= 3/3 + (3 \times ((3^3 + 33)^{3-3/3})) \\
&:= 4^4 + (((44/4)^4) - ((4 + 4)^4)) \\
&:= (55 \times 55) + ((5/5 + 5)^5) \\
&:= 6/6 + (6 \times ((6 - 6 \times 6) \times (6 - 66))) \\
&:= ((7 + 7) \times 777) - 77 \\
&:= 8/8 + ((88 - 8) \times (((8 \times (8 + 8)) - 8/8) + 8)) \\
&:= 9/9 + ((99 \times 99) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10802 &:= 11 \times (1 + ((11 - 1 - 1) \times (111 - (1 + 1)))) \\
&:= 2 + ((22 + 2) \times ((2 \times (222 + 2)) + 2)) \\
&:= (33/3) + (33 \times (333 - (3 + 3))) \\
&:= 4 + (((4/4 + 4^4) \times (44 - ((4 + 4)/4))) + 4) \\
&:= 5/5 + ((55 \times 55) + ((5/5 + 5)^5)) \\
&:= ((6 + 6)/6) + (6 \times ((6 - 6 \times 6) \times (6 - 66))) \\
&:= 7/7 + (((7 + 7) \times 777) - 77) \\
&:= ((8 + 8)/8) + ((88 - 8) \times (((8 \times (8 + 8)) - 8/8) + 8)) \\
&:= 99 + ((99 \times (99 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10803 &:= 1 + (11 \times (1 + ((11 - 1 - 1) \times (111 - (1 + 1)))))) \\
&:= (222/2) + (22 \times (22^2 + 2)) \\
&:= 3 + (3 \times ((3^3 + 33)^{3-3/3})) \\
&:= 4 + (((4 \times (4 + 4)) + 4) \times (44 + 4^4) - 4/4) \\
&:= ((5 + 5)/5) + ((55 \times 55) + ((5/5 + 5)^5)) \\
&:= (6 \times 6/(6 + 6)) + (6 \times ((6 - 6 \times 6) \times (6 - 66))) \\
&:= ((7 + 7)/7) + (((7 + 7) \times 777) - 77) \\
&:= 8 + (((8 \times (8 + 8)) - 8/8) \times ((88 - 88/8) + 8)) \\
&:= (999/9) + (99 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10804 &:= (((1 + (1 + (1 + ((1 + 11)^{1+1}))))^{1+1}) - 1)/(1 + 1) \\
&:= 2 \times ((2 \times ((2 \times (22 + 2 + 2))^2) - 2)) - 2 \\
&:= 3 + ((3 \times ((3^3 + 33)^{3-3/3})) + 3/3) \\
&:= 4 + (((4 \times (4 + 4)) + 4) \times (44 + 4^4)) \\
&:= 5 + (((55 + 5) \times (5 \times 5 \times 5 + 55)) - 5/5) \\
&:= 6 + ((6 \times ((6 - 6 \times 6) \times (6 - 66))) - ((6 + 6)/6)) \\
&:= ((7 + 7 + 7)/7) + (((7 + 7) \times 777) - 77) \\
&:= ((88 + 8 + 8)^{(8+8)/8}) - ((88 + 8)/8) \\
&:= (99 \times (99 + 9)) + ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10805 &:= ((1 + (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1}) - 11) \\
&:= ((2 \times (2 \times (22 + 2 + 2)))^2) - (22/2) \\
&:= 3 + ((33 \times (333 - (3 + 3))) + (33/3)) \\
&:= 4 + (((44/4)^4) - ((4 + 4)^4)) + 4^4 \\
&:= 5 + ((55 + 5) \times (5 \times 5 \times 5 + 55)) \\
&:= 6 + ((6 \times ((6 - 6 \times 6) \times (6 - 66))) - 6/6) \\
&:= 7 + (((7 + 7) \times (777 - 7)) + (77/7)) + 7 \\
&:= ((88 + 8 + 8)^{(8+8)/8}) - (88/8) \\
&:= (99 \times (99 + 9)) + (((999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10806 &:= 1 + (((1 + (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1}) - 11)) \\
&:= (2 \times (2 \times (((2 \times (22 + 2 + 2))^2) - 2))) - 2 \\
&:= 3 + ((3 \times ((3^3 + 33)^{3-3/3})) + 3) \\
&:= 4 + (((4/4 + 4^4) \times (44 - ((4 + 4)/4))) + 4) + 4 \\
&:= 5 + ((55 \times 55) + ((5/5 + 5)^5)) \\
&:= 6 + (6 \times ((6 - 6 \times 6) \times (6 - 66))) \\
&:= 7 + (((7 + 7) \times 777) - (((7 + 7)/7) + 77)) \\
&:= ((8 - 88)/8) + ((88 + 8 + 8)^{(8+8)/8}) \\
&:= 9 + (((99 - 9/9) \times (999/9)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10807 &:= (1 + ((11 - 1)^{1+1})) \times (111 - (1 + 1 + 1 + 1)) \\
&:= 2 + (((2 \times (2 \times (22 + 2 + 2)))^2) - (22/2)) \\
&:= ((3 + 3) \times 3^3) + (((33 - 33/3)^3) - 3) \\
&:= ((444/4) - 4) \times (4444/44) \\
&:= 5 + (((55 \times 55) + ((5/5 + 5)^5)) + 5/5) \\
&:= 6 + ((6 \times ((6 - 6 \times 6) \times (6 - 66))) + 6/6) \\
&:= 7 + (((7 + 7) \times 777) - (7/7 + 77)) \\
&:= ((88 + 8 + 8)^{(8+8)/8}) - (8/8 + 8) \\
&:= (((9 + 9)/9) + 99) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10808 &:= 1 + ((1 + ((11 - 1)^{1+1})) \times (111 - (1 + 1 + 1 + 1))) \\
&:= 2 \times (2 \times (((2 \times (22 + 2 + 2))^2) - 2)) \\
&:= (33 \times (333 - 3)) - ((3 \times 3^3) + 3/3) \\
&:= 4 + (((4 \times (4 + 4)) + 4) \times (44 + 4^4) + 4) \\
&:= 5 + (((55 \times 55) + ((5/5 + 5)^5)) + ((5 + 5)/5)) \\
&:= 6 + ((6 \times ((6 - 6 \times 6) \times (6 - 66))) + ((6 + 6)/6)) \\
&:= 7 + (((7 + 7) \times 777) - 77) \\
&:= ((88 + 8 + 8)^{(8+8)/8}) - 8 \\
&:= 9 + (((99 \times 99) - 9/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10809 &:= (11 - 1 - 1) \times (1 + (1 + (11 \times (111 - (1 + 1)))))) \\
&:= 2/2 + (2 \times (2 \times (((2 \times (22 + 2 + 2))^2) - 2))) \\
&:= 3 \times (((3^3 + 33)^{3-3/3}) + 3) \\
&:= 4^4 \times 44 - (444 + 44/4) \\
&:= 5 + (((55 + 5) \times (5 \times 5 \times 5 + 55)) - 5/5) + 5 \\
&:= (((666/6 - 6)^{(6+6)/6}) - (6 \times 6 \times 6)) \\
&:= (((777/7) - 7)^{(7+7)/7}) - 7 \\
&:= 8/8 + (((88 + 8 + 8)^{(8+8)/8}) - 8) \\
&:= 9 + ((99 \times 99) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10810 &:= (11 - 1) \times (1 + ((11 - 1) \times (111 - (1 + 1 + 1)))) \\
&:= 2 + (2 \times (2 \times (((2 \times (22 + 2 + 2))^2) - 2))) \\
&:= ((3 + 3) \times 3^3) + ((33 - 33/3)^3) \\
&:= 4 \times 4 + ((4/4 + 4^4) \times (44 - ((4 + 4)/4))) \\
&:= 5 + (((55 + 5) \times (5 \times 5 \times 5 + 55)) + 5) \\
&:= (((666 - 6)/6) - 6)^{(6+6)/6} - 6 \\
&:= 7 + (((7 + 7) \times 777) - 77) + (7 + 7)/7 \\
&:= ((8 + 8)/8) + (((88 + 8 + 8)^{(8+8)/8}) - 8) \\
&:= 9 + (((99 \times 99) + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10811 &:= 11 + ((1 + 11) \times (((11 - 1) \times (1 + 1 + 1))^{1+1})) \\
&:= ((22/2)^2) + ((22 \times (22^2 + 2)) - 2) \\
&:= 33 + ((33333/3) - 333) \\
&:= (44 \times (4^4 + 4)) - (((4/4 + 4)^4) + 4) \\
&:= 5 + (((55 \times 55) + ((5/5 + 5)^5)) + 5) \\
&:= (66/6) + (6 \times ((6 - 6 \times 6) \times (6 - 66))) \\
&:= ((77 - 7)/7) + (((7 + 7) \times 777) - 77) \\
&:= ((88/8) + 8) \times (((8 \times (8 \times 8) + 8)) - 8) + 8/8 \\
&:= (99/9) + ((99 \times 99) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10812 &:= (1 + 11) \times (1 + (((11 - 1) \times (1 + 1 + 1))^{1+1})) \\
&:= 2 \times ((2 \times ((2 \times (22 + 2 + 2))^2)) - 2) \\
&:= 3 + (3 \times (((3^3 + 33)^{3-3/3}) + 3)) \\
&:= 4^4 + ((44 \times (4^4 - 4 \times 4)) - 4) \\
&:= ((55 + 5)/5 + 5) \times ((55 + 5^5)/5) \\
&:= 6 + ((6 \times ((6 - 6 \times 6) \times (6 - 66))) + 6) \\
&:= (77/7) + (((7 + 7) \times 777) - 77) \\
&:= ((88 + 8 + 8)^{(8+8)/8}) - (8 \times 8/(8 + 8)) \\
&:= 9 + ((99 \times (99 + 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10813 &:= 1 + ((1 + 11) \times (1 + (((11 - 1) \times (1 + 1 + 1))^{1+1}))) \\
&:= ((22/2)^2) + (22 \times (22^2 + 2)) \\
&:= 3 + (((33 - 33/3)^3) + ((3 + 3) \times 3^3)) \\
&:= 4 + ((4^4 \times 44) - (444 + 44/4)) \\
&:= 5/5 + (((55 + 5)/5 + 5) \times ((55 + 5^5)/5)) \\
&:= 6 + (((6 \times ((6 - 6 \times 6) \times (6 - 66))) + 6/6) + 6) \\
&:= ((77 + 7)/7) + (((7 + 7) \times 777) - 77) \\
&:= 8 + (((88 + 8 + 8)^{(8+8)/8}) - 88/8) \\
&:= (99/9) \times ((9 \times (99 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10814 &:= 11111 - (11 \times ((1 + 1 + 1)^{1+1+1})) \\
&:= ((2 \times (2 \times (22 + 2 + 2))^2) - 2) \\
&:= (33333/3) - (3 \times 3 \times 33) \\
&:= 4^4 + ((44 \times (4^4 - 4 \times 4)) - ((4 + 4)/4)) \\
&:= ((5^5 - 5)/5) + ((5 + 5) \times (((5 - 5/5)^5) - 5)) \\
&:= 6 + (((6 \times ((6 - 6 \times 6) \times (6 - 66))) + ((6 + 6)/6)) + 6) \\
&:= 7 + (((7 + 7) \times 777) - (7/7 + 77)) + 7) \\
&:= ((88 + 8 + 8)^{(8+8)/8}) - ((8 + 8)/8) \\
&:= (99 \times (99 + 9)) + ((999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10815 &:= ((1 + (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1}) - 1) \\
&:= ((2 \times (2 \times (22 + 2 + 2))^2) - 2/2) \\
&:= 3^3 + ((33 \times (333 - (3 + 3))) - 3) \\
&:= (44 \times (4^4 + 4)) - ((4/4 + 4)^4) \\
&:= 5 \times 5 + ((5 + 5) \times (((5 - 5/5)^5) + 55)) \\
&:= (666/6 - 6) \times ((6 \times 6 + 66) + 6/6) \\
&:= 7 + (((7 + 7) \times 777) - 77) + 7) \\
&:= ((88 + 8 + 8)^{(8+8)/8}) - 8/8 \\
&:= (((99 + 9)/9) \times ((99/9) + (9 \times 99))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10816 &:= (1 + (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1}) \\
&:= (2 \times (2 \times (22 + 2 + 2)))^2 \\
&:= (((3 \times 33) - 3/3) + 3) + 3)^{3-3/3} \\
&:= 4 \times (((44 + 4) + 4)^{(4+4)/4}) \\
&:= ((5^5 - 5)/(5 \times 5 + 5))^{(5+5)/5} \\
&:= (((666 - 6)/6) - 6)^{(6+6)/6} \\
&:= ((777/7) - 7)^{(7+7)/7} \\
&:= (88 + 8 + 8)^{(8+8)/8} \\
&:= (((9 \times 9 + 9)/(9 + 9)) + 99)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10817 &:= 1 + ((1 + (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1})) \\
&:= 2/2 + ((2 \times (2 \times (22 + 2 + 2)))^2) \\
&:= 3 + ((33333/3) - (3 \times 3 \times 33)) \\
&:= 4/4 + ((44 \times (4^4 - 4 \times 4)) + 4^4) \\
&:= 5 + (((55 + 5)/5 + 5) \times ((55 + 5^5)/5)) \\
&:= 6 + ((6 \times ((6 - 6 \times 6) \times (6 - 66))) + (66/6)) \\
&:= 7/7 + (((777/7) - 7)^{(7+7)/7}) \\
&:= 8/8 + ((88 + 8 + 8)^{(8+8)/8}) \\
&:= 9 + (((99 \times 99) - 9/9) + 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10818 &:= 1 + (1 + ((1 + (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1}))) \\
&:= 2 + ((2 \times (2 \times (22 + 2 + 2)))^2) \\
&:= 3^3 + (33 \times (333 - (3 + 3))) \\
&:= 4^4 \times 44 - (444 + ((4 + 4)/4)) \\
&:= ((5 + 5)/5) + (((5^5 - 5)/(5 \times 5 + 5))^{(5+5)/5}) \\
&:= 6 + (((6 \times ((6 - 6 \times 6) \times (6 - 66))) + 6) + 6) \\
&:= ((7 + 7) \times 777) - ((77/7) + (7 \times 7)) \\
&:= ((8 + 8)/8) + ((88 + 8 + 8)^{(8+8)/8}) \\
&:= 9 + (((99 \times 99) + 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10819 &:= 1 + (1 + (1 + ((1 + (1 + (1 + (1 + ((11 - 1)^{1+1}))))^{1+1})))) \\
&:= 2 + (((2 \times (2 \times (22 + 2 + 2)))^2) + 2/2) \\
&:= 3 + (((((3 \times 33) - 3/3) + 3) + 3)^{3-3/3}) \\
&:= 4^4 \times 44 - (444 + 4/4) \\
&:= 5 + (((5 + 5) \times (((5 - 5/5)^5) - 5)) + ((5^5 - 5)/5)) \\
&:= 6 + (((6 \times ((6 - 6 \times 6) \times (6 - 66))) + 6/6) + 6) + 6) \\
&:= 7 + (((7 + 7) \times 777) - 77) + (77/7)) \\
&:= 88/8 + (((88 + 8 + 8)^{(8+8)/8}) - 8) \\
&:= 9 + (((99 \times 99) + 999) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10820 &:= (11 - 1) \times (1 + (1 + ((11 - 1) \times (111 - (1 + 1 + 1)))) \\
&:= 2 + (((2 \times (2 \times (22 + 2 + 2)))^2) + 2) \\
&:= 3 + (((33333/3) - (3 \times 3 \times 33)) + 3) \\
&:= 4^4 \times 44 - 444 \\
&:= (5 - 5/5) \times (((5 + 5) \times (5 \times 55 - 5)) + 5) \\
&:= (6 - 6/6) \times (((6 \times (6 \times (66 - 6))) - ((6 + 6)/6)) + 6) \\
&:= (((7 - 7/7) + 7) + 7) \times ((7 \times 77) + (7 + 7)/7) \\
&:= (8 \times 8/(8 + 8)) + ((88 + 8 + 8)^{(8+8)/8}) \\
&:= 9 + (((99 \times 99) + 999) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10821 &:= 11111 - ((1+1) \times (1 + ((1+11)^{1+1})) \\
&:= 2 + (((2 \times (2 \times (22+2+2)))^2) + 2/2) + 2) \\
&:= 3 + ((33 \times (333 - (3+3))) + 3^3) \\
&:= 4/4 + ((4^4 \times 44) - 444) \\
&:= 5 + (((5^5 - 5)/5 + 5 + 5))^{(5+5)/5} \\
&:= 6 + ((666/6 - 6) \times ((6 \times 6 + 66) + 6/6)) \\
&:= ((7+7) \times 777) - ((7/7 + (7 \times 7)) + 7) \\
&:= 8 + (((88+8+8)^{(8+8)/8}) - 88/8) + 8) \\
&:= 9 + (((99 \times (99+9)) + (999/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10822 &:= 11111 - (1 + ((1+1) \times ((1+11)^{1+1})) \\
&:= (22 \times ((2 \times (2+2)) + 22^2)) - 2 \\
&:= 3 + ((((((3 \times 33) - 3/3) + 3) + 3)^{3-3/3}) + 3) \\
&:= ((4+4)/4) + ((4^4 \times 44) - 444) \\
&:= 5 + (((55+5)/5 + 5) \times ((55+5^5)/5)) + 5) \\
&:= 6 + (((666 - 6)/6) - 6)^{(6+6)/6} \\
&:= ((7+7) \times 777) - (7 \times 7 + 7) \\
&:= 8 + (((88+8+8)^{(8+8)/8}) - ((8+8)/8)) \\
&:= 9 + ((99/9) \times ((9 \times (99+9)) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10823 &:= 11111 - ((1+1) \times ((1+11)^{1+1})) \\
&:= (22 \times ((2 \times (2+2)) + 22^2)) - 2/2 \\
&:= 33 + ((33 \times (333 - (3+3))) - 3/3) \\
&:= 4 + ((4^4 \times 44) - (444 + 4/4)) \\
&:= ((5 \times 5 - 5) \times 555) - ((5 \times 55) + ((5+5)/5)) \\
&:= (66666/6) - (6 \times (6 \times 6 + 6 + 6)) \\
&:= 7 + (((777/7) - 7)^{(7+7)/7}) \\
&:= 8 + (((88+8+8)^{(8+8)/8}) - 8/8) \\
&:= 9 + (((999+99)/9) + (99 \times (99+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10824 &:= 11 \times ((1+11) \times (1 + ((11-1-1)^{1+1}))) \\
&:= 22 \times ((2 \times (2+2)) + 22^2) \\
&:= 33 + (33 \times (333 - (3+3))) \\
&:= 4 + ((4^4 \times 44) - 444) \\
&:= ((5 \times 5 - 5) \times 555) - (5 \times 55 + 5/5) \\
&:= 66 \times (((6+6)/6)^{6/6+6}) + (6 \times 6) \\
&:= 7 + (((777/7) - 7)^{(7+7)/7}) + 7/7) \\
&:= 8 + ((88+8+8)^{(8+8)/8}) \\
&:= ((99+9)/9) \times ((99/9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10825 &:= 1 + (11 \times ((1+11) \times (1 + ((11-1-1)^{1+1})))) \\
&:= 2/2 + (22 \times ((2 \times (2+2)) + 22^2)) \\
&:= 3/3 + ((33 \times (333 - (3+3))) + 33) \\
&:= 4 + (((4^4 \times 44) - 444) + 4/4) \\
&:= 5 \times (((5-5)/5) \times 555) - 55) \\
&:= (6-6/6) \times (((6 \times (6 \times (66-6))) - 6/6) + 6) \\
&:= 7 + (((7+7) \times 777) - ((7/7) + (7 \times 7))) \\
&:= 8 + (((88+8+8)^{(8+8)/8}) + 8/8) \\
&:= (99 \times 99) + (((9+9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10826 &:= 1 + (1 + (11 \times ((1+11) \times (1 + ((11-1-1)^{1+1})))))) \\
&:= 2 + (22 \times ((2 \times (2+2)) + 22^2)) \\
&:= (33 \times (333 - 3)) - ((3/3 + 3)^3) \\
&:= 4 + (((4^4 \times 44) - 444) + ((4+4)/4)) \\
&:= 5 \times 5 + ((55 \times 55) + ((5/5 + 5)^5)) \\
&:= ((6-66)/6) + (6 \times (((6-6 \times 6) \times (6-66)) + 6)) \\
&:= ((7+7) \times 777) - (((7+7+7)/7) + (7 \times 7)) \\
&:= 8 + (((88+8+8)^{(8+8)/8}) + ((8+8)/8)) \\
&:= 99 + ((9999 - 9/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10827 &:= 11 + ((1 + (1 + (1 + (1 + ((11-1)^{1+1}))))))^{1+1} \\
&:= (22/2) + ((2 \times (2 \times (22+2+2)))^2) \\
&:= ((3^3 - 3)^3) - (3 \times (3 \times 333)) \\
&:= (44 \times (4^4 - 4)) - ((4/4 + 4^4) + 4) \\
&:= 5 \times 5 + (((55 \times 55) + ((5/5 + 5)^5)) + 5/5) \\
&:= (66/6) + (((666 - 6)/6) - 6)^{(6+6)/6} \\
&:= ((7+7) \times 777) - (((7+7)/7) + (7 \times 7)) \\
&:= 88/8 + ((88+8+8)^{(8+8)/8}) \\
&:= 99 + (9999 + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10828 &:= 1 + (11 + ((1 + (1 + (1 + (1 + ((11-1)^{1+1}))))))^{1+1}) \\
&:= 2 + ((22 \times ((2 \times (2+2)) + 22^2)) + 2) \\
&:= 3/3 + (((3^3 - 3)^3) - (3 \times (3 \times 333))) \\
&:= (44 \times (4^4 - 4)) - (4^4 + 4) \\
&:= ((5 - (5+5)/5) \times (((5/5 + 5)^5) - 5^5)) - 5^5 \\
&:= 6 + (((666 - 6)/6) - 6)^{(6+6)/6} + 6) \\
&:= ((7+7) \times 777) - (7/7 + (7 \times 7)) \\
&:= ((88+8)/8) + ((88+8+8)^{(8+8)/8}) \\
&:= 9/9 + ((9999 + (9 \times (9 \times 9))) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10829 &:= ((11^{1+1}) - (1+1)) \times (1 + ((11-1) \times (11-1-1))) \\
&:= 2 + (((2 \times (2 \times (22+2+2)))^2) + (22/2)) \\
&:= 3 + ((33 \times (333 - 3)) - ((3/3 + 3)^3)) \\
&:= 4/4 + ((44 \times (4^4 - 4)) - (4^4 + 4)) \\
&:= ((55+5)/5 + 5) \times (((55+5^5) + 5)/5) \\
&:= (6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6)) + 6)) - 6/6) \\
&:= ((7+7) \times 777) - (7 \times 7) \\
&:= (8-8/8) \times ((8 \times 8 \times (8+8+8)) + (88/8)) \\
&:= ((9-9/9) + 9) \times ((9 \times (9 \times 9) - 9) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10830 &:= (11-1) \times ((1+1+1) \times (((1+1) \times (11-1)) - 1)^{1+1}) \\
&:= 2 + (((22 \times ((2 \times (2+2)) + 22^2)) + 2) + 2) \\
&:= 3 + (((3^3 - 3)^3) - (3 \times (3 \times 333))) \\
&:= (44 \times (4^4 - 4)) - ((4+4)/4 + 4^4) \\
&:= 5 + (5 \times (((5-5)/5) \times 555) - 55) \\
&:= (6-6 \times 6) \times ((6 \times (6-66)) - 6/6) \\
&:= 7/7 + (((7+7) \times 777) - (7 \times 7)) \\
&:= 8 + (((88+8+8)^{(8+8)/8}) - ((8+8)/8)) + 8) \\
&:= (9 \times (9 \times 9)) + (999999/99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10831 &:= 11111 - (111 + ((1 + 1 + 11)^{1+1})) \\
&:= 222 + (((2222/22) + 2)^2) \\
&:= ((3 + 3)^3) + (((33 - 33/3)^3) - 33) \\
&:= (44 \times (4^4 - 4)) - (4/4 + 4^4) \\
&:= (55555/5) - (5 \times 55 + 5) \\
&:= 6/6 + ((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6/6)) \\
&:= ((7 + 7)/7) + (((7 + 7) \times 777) - (7 \times 7)) \\
&:= 8 + (((88 + 8 + 8)^{(8+8)/8}) - 8/8) + 8) \\
&:= (99 \times 99) + (9999/9 - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10832 &:= (1 + 1) \times ((11^{1+1+1}) + (((1 + 1)^{1+1}) - 11)) \\
&:= 2 \times (2 \times (((2 \times (22 + 2 + 2))^2) + 2) + 2) \\
&:= (3/3 + 3) \times (((33/3 + 3)^3) - (33 + 3)) \\
&:= (44 \times (4^4 - 4)) - 4^4 \\
&:= 5/5 + ((55555/5) - (5 \times 55 + 5)) \\
&:= (((66 - 6)/6) + 6) \times (666 + (66/6)) \\
&:= ((7 + 7 + 7)/7) + (((7 + 7) \times 777) - (7 \times 7)) \\
&:= 8 + (((88 + 8 + 8)^{(8+8)/8}) + 8) \\
&:= (9 - 9/9) \times (9999/9 + (9 \times (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10833 &:= (1 + 1 + 1) \times (11 + (((11^{1+1}) - 1)/(1 + 1))^{1+1}) \\
&:= (((222/2) + 2)^2) - ((2 \times 22)^2) \\
&:= 33 + (3 \times ((3^3 + 33)^{3-3/3})) \\
&:= 4/4 + ((44 \times (4^4 - 4)) - 4^4) \\
&:= (55 \times 55) + (((5/5 + 5)^5) + (((5 + 5)/5)^5)) \\
&:= (66 \times 6/(6 + 6)) + (6 \times ((6 - 6 \times 6) \times (6 - 66))) \\
&:= (77/7) + (((7 + 7) \times 777) - (7 \times 7 + 7)) \\
&:= 8 + (((88 + 8 + 8)^{(8+8)/8}) + 8/8) + 8) \\
&:= 9 + (((99 + 9)/9) \times ((99/9) + (9 \times 99)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10834 &:= 11 + (11111 - ((1 + 1) \times ((1 + 11)^{1+1}))) \\
&:= ((2 \times 22 - 2) \times ((2^{2 \times (2+2)} + 2)) - 2) \\
&:= 3 + (((33 - 33/3)^3) - 33) + ((3 + 3)^3) \\
&:= ((4 + 4)/4) + ((44 \times (4^4 - 4)) - 4^4) \\
&:= 5 + (((55 + 5)/5 + 5) \times (((55 + 5^5) + 5)/5)) \\
&:= (6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) - ((6 + 6)/6) \\
&:= 7 + (((7 + 7) \times 777) - (((7 + 7)/7) + (7 \times 7))) \\
&:= 8 + (((88 + 8 + 8)^{(8+8)/8}) + ((8 + 8)/8) + 8) \\
&:= 9 + (((9 + 9)/9)^{9+9}) + (99 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10835 &:= 11 \times (1 + ((1 + 11) \times (1 + ((11 - 1 - 1)^{1+1})))) \\
&:= 2 + (((222/2) + 2)^2) - ((2 \times 22)^2) \\
&:= (33/3) \times ((3 \times 333) - (33/3 + 3)) \\
&:= ((4^4 - 4) \times (44 - 4/4)) - 4/4 \\
&:= 55 \times (((5/5 + 5) \times (((5 + 5)/5)^5)) + 5) \\
&:= (6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) - 6/6 \\
&:= 7 + (((7 + 7) \times 777) - (7/7 + (7 \times 7))) \\
&:= 8 + (((88 + 8 + 8)^{(8+8)/8}) + (88/8)) \\
&:= ((9 + 9) \times (((9 + 9)/9)^9) + (9 \times 9) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10836 &:= (1 + 11) \times (((1 + 1)^{11-1}) - (11^{1+1})) \\
&:= (2 \times 22 - 2) \times ((2^{2 \times (2+2)} + 2) \\
&:= 3 \times ((3 + 3) \times (((33/3)^3) - (3^{3+3}))) \\
&:= (4^4 - 4) \times (44 - 4/4) \\
&:= (55555/5) - (5 \times 55) \\
&:= 6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6) \\
&:= 7 + (((7 + 7) \times 777) - (7 \times 7)) \\
&:= ((88 + 8)/8) \times (((888 - 8/8) + 8) + 8) \\
&:= (9 + 9) \times (((9 + 9)/9)^9) + (9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10837 &:= 1 + ((1 + 11) \times (((1 + 1)^{11-1}) - (11^{1+1}))) \\
&:= 22 + (((2 \times (2 \times (22 + 2 + 2)))^2) - 2/2) \\
&:= ((3 + 3)^3) + (((33 - 33/3)^3) - 3^3) \\
&:= 4/4 + ((4^4 - 4) \times (44 - 4/4)) \\
&:= 5/5 + ((55555/5) - (5 \times 55)) \\
&:= 6/6 + (6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) \\
&:= 7 + (((7 + 7) \times 777) - (7 \times 7)) + 7/7) \\
&:= 8 + ((8 - 8/8) \times ((8 \times 8 \times (8 + 8 + 8)) + (88/8))) \\
&:= 9/9 + ((9 + 9) \times (((9 + 9)/9)^9) + (9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10838 &:= 1 + (1 + ((1 + 11) \times (((1 + 1)^{11-1}) - (11^{1+1})))) \\
&:= 22 + ((2 \times (2 \times (22 + 2 + 2)))^2) \\
&:= 3 + ((3 \times (33 \times (3 \times 33 - 3))) + ((33/3)^3)) \\
&:= ((4 + 4)/4) + ((4^4 - 4) \times (44 - 4/4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (((5^5)/5) + 5)/(5 + 5)) \\
&:= ((6 + 6)/6) + (6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) \\
&:= 7 + (((7 + 7) \times 777) - (7 \times 7)) + (7 + 7)/7) \\
&:= 88 + ((8 \times (8 \times ((88 - 8) + 88))) - ((8 + 8)/8)) \\
&:= ((99/9) \times (999 + 9/9)) - (9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10839 &:= ((11 - 1) \times (1111 - ((1 + 1 + 1)^{1+1+1}))) - 1 \\
&:= 22 + (((2 \times (2 \times (22 + 2 + 2)))^2) + 2/2) \\
&:= 3 \times (((3^{3 \times 3}) - 3)/(3 + 3)) + 333) \\
&:= 4 + (((4^4 - 4) \times (44 - 4/4)) - 4/4) \\
&:= ((5 + 5) \times (((5 - 5/5)^5) + 55) + 5) - 5/5 \\
&:= (6 \times 6/(6 + 6)) + (6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) \\
&:= ((77 - 7)/7) + (((7 + 7) \times 777) - (7 \times 7)) \\
&:= 88 + ((8 \times (8 \times ((88 - 8) + 88))) - 8/8) \\
&:= (9 \times (9 \times 9)) + ((999/9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10840 &:= (11 - 1) \times (1111 - ((1 + 1 + 1)^{1+1+1})) \\
&:= 2 + (((2 \times (2 \times (22 + 2 + 2)))^2) + 22) \\
&:= ((3 \times 3) - 3/3) \times (((33/3)^3) - 3) + 3^3) \\
&:= 4 + ((4^4 - 4) \times (44 - 4/4)) \\
&:= (5 + 5) \times (((5 - 5/5)^5) + 55) + 5) \\
&:= 6 + ((6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) - ((6 + 6)/6)) \\
&:= (77/7) + (((7 + 7) \times 777) - (7 \times 7)) \\
&:= 88 + (8 \times (8 \times ((88 - 8) + 88))) \\
&:= (9/9 + 9) \times (9999/9 - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10841 &:= 1 + ((11 - 1) \times (1111 - ((1 + 1 + 1)^{1+1+1}))) \\
&:= 2 + (((2 \times (2 \times (22 + 2 + 2)))^2) + 22) + 2/2) \\
&:= (3 \times (3 \times (3 - 33))) + (33333/3) \\
&:= 4 + (((4^4 - 4) \times (44 - 4/4)) + 4/4) \\
&:= 5^5 + (((5/5 + 5)^5) - (55 + 5)) \\
&:= 6 + ((6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) - 6/6) \\
&:= ((77 + 7)/7) + (((7 + 7) \times 777) - (7 \times 7)) \\
&:= 8/8 + ((8 \times (8 \times ((88 - 8) + 88))) + 88) \\
&:= (9 \times (9 \times 9)) + (99999/9 - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10842 &:= 1 + (1 + ((11 - 1) \times (1111 - ((1 + 1 + 1)^{1+1+1})))) \\
&:= 2 + (((2 \times (2 \times (22 + 2 + 2)))^2) + 22) + 2) \\
&:= 3 \times (((3^{3 \times 3}) + 3)/(3 + 3)) + 333 \\
&:= 4 + (((4^4 - 4) \times (44 - 4/4)) + ((4 + 4)/4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (55 + 5)) + 5/5) \\
&:= 6 + (6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) \\
&:= 7 + (((7 + 7) \times 777) - (7/7 + (7 \times 7))) + 7) \\
&:= 88 + ((8 \times (8 \times ((88 - 8) + 88))) + ((8 + 8)/8)) \\
&:= 9 + (((99 + 9)/9) \times ((99/9) + (9 \times 99))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10843 &:= 11111 - ((1 + 1) \times (1 + (1 + (11 \times (1 + 11)))))) \\
&:= (((2 \times 22) + 2/2) \times ((22^2 - 2)/2)) - 2 \\
&:= (33 \times (3 + 3)) + (((33 - 33/3)^3) - 3) \\
&:= (44/4) + ((44 \times (4^4 - 4)) - 4^4) \\
&:= 5^5 + (((5/5 + 5)^5) - (55 + 5)) + ((5 + 5)/5) \\
&:= 6 + ((6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) + 6/6) \\
&:= 7 + (((7 + 7) \times 777) - (7 \times 7)) + 7) \\
&:= 8 + (((88 + 8 + 8)^{(8+8)/8}) + (88/8) + 8) \\
&:= (9 \times (9 + 9)) + ((99 \times (99 + 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10844 &:= 11111 - (1 + ((1 + 1) \times (1 + (11 \times (1 + 11)))))) \\
&:= 2 \times (((22 + 2) \times ((222 + 2) + 2)) - 2) \\
&:= (3/3 + 3) \times (((33/3 + 3)^3) - 33) \\
&:= 4 + (((4^4 - 4) \times (44 - 4/4)) + 4) \\
&:= 5^5 + (((5/5 + 5)^5) - (((5 + 5)/5) + 55)) \\
&:= 6 + ((6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) + ((6 + 6)/6)) \\
&:= 7 + (((7 + 7) \times 777) - (7 \times 7)) + 7/7) + 7) \\
&:= 8 + (((88 + 8)/8) \times (((888 - 8/8) + 8) + 8)) \\
&:= (9 \times (9 + 9)) + ((99 \times (99 + 9)) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10845 &:= (1 + 1 + 1 + 1 + 1) \times ((11^{1+1}) + ((1 + 1)^{11})) \\
&:= ((2 \times 22) + 2/2) \times ((22^2 - 2)/2) \\
&:= (3 \times 3 + 3 + 3) \times ((3^{3+3}) - (3 + 3)) \\
&:= (44 + 4/4) \times ((4/4 - 4 \times 4) + 4^4) \\
&:= 5 + ((5 + 5) \times (((5 - 5/5)^5) + 55) + 5) \\
&:= (6 - 6/6) \times (((66 \times 66) - 6)/(6 + 6)/6) - 6) \\
&:= 77 + ((77777/7) - (7 \times 7 \times 7)) \\
&:= (8/8 + 8) \times ((8 \times ((8 \times 8) + 88)) - 88/8) \\
&:= (9 \times (9 + 9)) + ((99 \times (99 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10846 &:= 11 \times (((11 - 1)^{1+1+1}) - (1 + 1 + 1 + 11)) \\
&:= 22 \times ((22^2 - 2) + (22/2)) \\
&:= (33 \times (3 + 3)) + ((33 - 33/3)^3) \\
&:= ((44 - 4)/4) + (((4^4 - 4) \times (44 - 4/4)) \\
&:= 5^5 + (((5/5 + 5)^5) - 55) \\
&:= 6 \times 6 + (((666 - 6)/6) - 6)^{(6+6)/6} - 6) \\
&:= 77 + (((7 + 7) \times (777 - 7)) - (77/7)) \\
&:= (8/8 + 8 + 8) \times ((8 \times (88 - 8)) - ((8 + 8)/8)) \\
&:= 9/9 + (((99 \times (99 + 9)) - 9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10847 &:= 11111 - ((1 + 1) \times (11 \times (1 + 11))) \\
&:= 2 + (((2 \times 22) + 2/2) \times ((22^2 - 2)/2)) \\
&:= 3 + ((3/3 + 3) \times (((33/3 + 3)^3) - 33)) \\
&:= (44/4) + ((4^4 - 4) \times (44 - 4/4)) \\
&:= 5^5 + (((5/5 + 5)^5) - 55) + 5/5) \\
&:= (66/6) + (6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) \\
&:= 7 + (((7 + 7) \times 777) - (7 \times 7)) + (77/7)) \\
&:= (88888/8) - (((8 + 8) \times (8 + 8)) + 8) \\
&:= 9 + (((99/9) \times (999 + 9/9)) - (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10848 &:= 1 + (11111 - ((1 + 1) \times (11 \times (1 + 11)))) \\
&:= 2 \times ((22 + 2) \times ((222 + 2) + 2)) \\
&:= (33 - 3/3) \times (333 + 3 + 3) \\
&:= 4 \times 4 + ((44 \times (4^4 - 4)) - 4^4) \\
&:= 5^5 + (((5/5 + 5)^5) - 55) + ((5 + 5)/5) \\
&:= 6 + ((6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) + 6) \\
&:= ((7 + 7) \times (777 + 7)) - (((7 + 7)/7)^7) \\
&:= (88 + 8) \times (((888 + 8) + 8)/8) \\
&:= 9 \times 9 + ((999/9) \times (99 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10849 &:= 11111 - ((1 + 1) \times ((11 \times (1 + 11)) - 1)) \\
&:= 2/2 + (2 \times ((22 + 2) \times ((222 + 2) + 2))) \\
&:= 3 + (((33 - 33/3)^3) + (33 \times (3 + 3))) \\
&:= ((4 - 4^4)/4) + (44 \times (4^4 - (4 + 4))) \\
&:= 5^5 + ((5 \times (5^5 - (5 \times 5))) - ((5/5 + 5)^5)) \\
&:= 6 + (((6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) + 6/6) + 6) \\
&:= ((7 + 7) \times (777 - ((7 + 7)/7))) - 7/7 \\
&:= 8/8 + ((88 + 8) \times (((888 + 8) + 8)/8)) \\
&:= 9 + ((9/9 + 9) \times (9999/9 - (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10850 &:= (11 - 1) \times (1111 - ((1 + 1) \times (1 + 1 + 11))) \\
&:= 2 + (2 \times ((22 + 2) \times ((222 + 2) + 2))) \\
&:= ((3 \times 3) + 3/3) \times ((33 \times 33) - (3/3 + 3)) \\
&:= ((4 \times 44) - 4/4) \times ((4^4 - (4 + 4))/4) \\
&:= (5 \times 5 \times 555) - (55 \times 55) \\
&:= (6 - 6/6) \times ((6 \times (6 \times (66 - 6))) + ((66 - 6)/6)) \\
&:= (7 + 7) \times (777 - ((7 + 7)/7)) \\
&:= ((8 \times 8) - ((8 + 8)/8)) \times (((888/8) + (8 \times 8)) \\
&:= (99999/9) - ((9 \times (9 + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10851 &:= 1 + ((11 - 1) \times (1111 - ((1 + 1) \times (1 + 1 + 11)))) \\
&:= 2 + ((2 \times ((22 + 2) \times ((222 + 2) + 2))) + 2/2) \\
&:= 3 + ((33 - 3/3) \times (333 + 3 + 3)) \\
&:= (44444/4) - (4^4 + 4) \\
&:= 5 + (((5/5 + 5)^5) - 55) + 5^5 \\
&:= 6 + (((666/6 - 6)^{(6+6)/6}) + (6 \times (6 - 6 \times 6))) \\
&:= 7/7 + ((7 + 7) \times (777 - ((7 + 7)/7))) \\
&:= 88 + ((8 \times (8 \times ((88 - 8) + 88))) + (88/8)) \\
&:= 99 + (((9 + 9)/9)^9) \times (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10852 &:= (1 + 1) \times ((11^{1+1+1}) + (((1 + 1)^{11+1}) - 1)) \\
&:= 2 \times (((22 + 2) \times ((222 + 2) + 2)) + 2) \\
&:= (3 \times ((33/3)^3)) + (((3 \times (3 + 3)) + 3/3)^3) \\
&:= 4 \times 4 + ((4^4 - 4) \times (44 - 4/4)) \\
&:= 5 + (((5/5 + 5)^5) - 55) + 5^5 + 5/5 \\
&:= 6 \times 6 + (((666 - 6)/6) - 6)^{(6+6)/6} \\
&:= ((7 + 7)/7) + ((7 + 7) \times (777 - ((7 + 7)/7))) \\
&:= 8 \times 8 + (((88 + 8)/8) \times (888 + (88/8))) \\
&:= (9 \times (9 + 9)) + ((99 \times (99 + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10853 &:= ((1 + 1) \times ((11^{1+1+1}) + ((1 + 1)^{11+1}))) - 1 \\
&:= (22222/2) - ((2^{2 \times (2+2)}) + 2) \\
&:= (3^{3+3}) + ((3 \times ((3 \times 3 + 3 + 3)^3)) - 3/3) \\
&:= 4 + ((44 \times (4^4 - (4 + 4))) + ((4 - 4^4)/4)) \\
&:= 5 + (((5/5 + 5)^5) - 55) + ((5 + 5)/5) + 5^5 \\
&:= (66666/6) - ((6 \times (6 \times 6 + 6)) + 6) \\
&:= ((7 + 7) \times 777) - ((77/7 + 7) + 7) \\
&:= 8 + ((8/8 + 8) \times ((8 \times (8 \times 8) + 88)) - 88/8) \\
&:= (9 \times (9 + 9)) + ((99 \times (99 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10854 &:= (1 + 1) \times ((11^{1+1+1}) + ((1 + 1)^{11+1})) \\
&:= 2 + ((2 \times ((2 \times ((2 + 2 + 2)^2))^2)) + 22^2) \\
&:= 3 \times (3 \times ((3 + 3) \times ((33 \times (3 + 3)) + 3))) \\
&:= (44444/4) - (4/4 + 4^4) \\
&:= (55 - 5/5) \times (((5 + 5) \times (5 \times 5 - 5)) + 5/5) \\
&:= ((6 \times 66) + 6) \times ((66 \times 6/(6 + 6)) - 6) \\
&:= ((7 + 7)/7) \times ((7 \times 777) - ((77 + 7)/7)) \\
&:= 8 + ((8/8 + 8 + 8) \times ((8 \times (88 - 8)) - ((8 + 8)/8))) \\
&:= (9 \times (9 + 9)) + (99 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10855 &:= 11111 - ((1 + 1)^{(1+1)^{1+1+1}}) \\
&:= (22222/2) - (2^{2 \times (2+2)}) \\
&:= 3/3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) + (3^{3+3})) \\
&:= (44444/4) - 4^4 \\
&:= 5 + ((5 \times 5 \times 555) - (55 \times 55)) \\
&:= (6 - 6/6) \times ((6 \times (6 \times (66 - 6))) + (66/6)) \\
&:= 7 + (((7 + 7) \times (777 + 7)) - (((7 + 7)/7)^7)) \\
&:= (88888/8) - ((8 + 8) \times (8 + 8)) \\
&:= 9/9 + ((99 \times (99 + 9)) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10856 &:= 1 + (11111 - ((1 + 1)^{(1+1)^{1+1+1}})) \\
&:= 2 \times (((22 + 2) \times ((222 + 2) + 2)) + 2) + 2) \\
&:= (33 \times (333 - 3)) - (3/3 + 33) \\
&:= 4 + (((4^4 - 4) \times (44 - 4/4)) + 4 \times 4) \\
&:= 5 + (((5/5 + 5)^5) - 55) + 5^5 + 5) \\
&:= 6 + ((6 - 6/6) \times ((6 \times (6 \times (66 - 6))) + ((66 - 6)/6))) \\
&:= 77 + (((7 + 7) \times (777 - 7)) - 7/7) \\
&:= (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - 88 \\
&:= ((9 + 9)/9) + ((99 \times (99 + 9)) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10857 &:= 11 \times (((11 - 1)^{1+1+1}) - (1 + 1 + 11)) \\
&:= 2 + ((22222/2) - (2^{2 \times (2+2)})) \\
&:= 33 \times (333 - (3/3 + 3)) \\
&:= ((4 + 4)/4) + ((44444/4) - 4^4) \\
&:= 5^5 + (((5/5 + 5)^5) - 55) + (55/5) \\
&:= (6/6 + 6) \times ((66 \times (6 \times 6 \times 6 + 66))/(6 + 6)) \\
&:= 77 + ((7 + 7) \times (777 - 7)) \\
&:= 8/8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - 88 \\
&:= (99/9) \times (999 - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10858 &:= 11111 - (11 \times (1 + 11 + 11)) \\
&:= 22 + ((2 \times 22 - 2) \times ((2^{2 \times (2+2)}) + 2)) \\
&:= 3/3 + (33 \times (333 - (3/3 + 3))) \\
&:= 4 + ((44444/4) - (4/4 + 4^4)) \\
&:= 5^5 + (((55 + 5)/5) - 55) + ((5/5 + 5)^5) \\
&:= 6 + (((666 - 6)/6) - 6)^{(6+6)/6} + (6 \times 6) \\
&:= 7/7 + (((7 + 7) \times (777 - 7)) + 77) \\
&:= (8/8 + 88) \times ((888 + 88)/8) \\
&:= (((9 \times 9) - 9/9) + 9) \times ((999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10859 &:= 1 + (11111 - (11 \times (1 + 11 + 11))) \\
&:= 222 + ((22^{2/2+2}) - (22/2)) \\
&:= 3 + ((33 \times (333 - 3)) - (3/3 + 33)) \\
&:= 4 + ((44444/4) - 4^4) \\
&:= ((5^5 - 5)/5) + (((5 + 5) \times ((5 - 5/5)^5)) - 5) \\
&:= (66666/6) - (6 \times (6 \times 6 + 6)) \\
&:= ((7 + 7) \times 777) - (((77 + 7)/7) + 7) \\
&:= 8/8 + ((8/8 + 88) \times ((888 + 88)/8)) \\
&:= ((99/9) \times (999 - (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10860 &:= (11 - 1) \times (1111 - (1 + (1 + 1) \times (1 + 11))) \\
&:= 2 \times ((2 \times ((2 \times (22 + 2 + 2))^2)) + 22) \\
&:= 3 + (33 \times (333 - (3/3 + 3))) \\
&:= 44 + ((44 \times (4^4 - 4 \times 4)) + 4^4) \\
&:= (5 + 5) \times ((5555/5) - (5 \times 5)) \\
&:= (6 - 66) \times ((6 \times (6 - 6 \times 6)) - 6/6) \\
&:= ((7 + 7) \times 777) - (77/7 + 7) \\
&:= ((88 + 8)/8) \times (((888 + 8/8) + 8) + 8) \\
&:= ((99 - 9/9) \times (999/9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10861 &:= 1 + ((11 - 1) \times (1111 - (1 + (1 + 1) \times (1 + 11)))) \\
&:= (((22/2) + 2)^2) + (22 \times (22^2 + 2)) \\
&:= ((3 + 3)^3) + (((33 - 33/3)^3) - 3) \\
&:= ((4/4 + 4)^4) + ((4^4 \times (44 - 4)) - 4) \\
&:= (5 \times (5 - 55)) + (55555/5) \\
&:= 6/6 + ((6 - 66) \times ((6 \times (6 - 6 \times 6)) - 6/6)) \\
&:= ((7 - 77)/7) + (((7 + 7) \times 777) - 7) \\
&:= ((88 - 8) \times (8 \times (8 + 8) + 8)) - ((88/8) + 8) \\
&:= 9 \times 9 + ((99 - 9/9) \times ((99/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10862 &:= ((1 + 111) \times (111 - (1 + 1 + 1 + 11))) - (1 + 1) \\
&:= 2 + (((2 \times (2 \times (22 + 2 + 2)))^2) + 2 \times 22) \\
&:= (33 \times (333 - 3)) - (3^3 + 3/3) \\
&:= 4 + (((44444/4) - (4/4 + 4^4)) + 4) \\
&:= 5 + (((((5/5 + 5)^5) - 55) + (55/5)) + 5^5) \\
&:= ((6 + 6)/6) + ((6 - 66) \times ((6 \times (6 - 6 \times 6)) - 6/6)) \\
&:= ((7 + 7)/7) \times ((7 \times 777) - (7/7 + 7)) \\
&:= ((8 - 88)/8) + (((88 - 8) \times (8 \times (8 + 8) + 8)) - 8) \\
&:= 9 + (((99 \times (99 + 9)) - 9/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10863 &:= (11 - 1 - 1) \times ((11 \times (111 - 1)) - (1 + 1 + 1)) \\
&:= 2 + ((22 \times (22^2 + 2)) + (((22/2) + 2)^2)) \\
&:= (33 \times (333 - 3)) - 3^3 \\
&:= 4 + (((44444/4) - 4^4) + 4) \\
&:= ((5^5 - (5 + 5))/5) + ((5 + 5) \times ((5 - 5/5)^5)) \\
&:= ((6 - 6/6)^6) - (((6 + 6)/6)^{6+6}) + 666 \\
&:= ((7 + 7) \times 777) - ((7/7 + 7) + 7) \\
&:= (8/8 + 8 + 8) \times ((8 \times (88 - 8)) - 8/8) \\
&:= 9 + ((99 \times (99 + 9)) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10864 &:= (1 + 111) \times (111 - (1 + 1 + 1 + 11)) \\
&:= 2 \times (((2 \times ((2 \times (22 + 2 + 2))^2)) + 22) + 2) \\
&:= ((3 + 3)^3) + ((33 - 33/3)^3) \\
&:= 4 \times (((44 - 4) \times ((4 \times (4 \times 4)) + 4)) - 4) \\
&:= ((5^5 - 5)/5) + ((5 + 5) \times ((5 - 5/5)^5)) \\
&:= (((6 + 6)/6)^6) + (6 \times ((6 - 6 \times 6) \times (6 - 66))) \\
&:= (7 + 7) \times (777 - 7/7) \\
&:= ((88 - 8) \times (8 \times (8 + 8) + 8)) - (8 + 8) \\
&:= (99 - ((9 + 9)/9)) \times ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10865 &:= 1 + ((1 + 111) \times (111 - (1 + 1 + 1 + 11))) \\
&:= 222 + ((22^{2/2+2}) - (2/2 + 2 + 2)) \\
&:= 3 + ((33 \times (333 - 3)) - (3^3 + 3/3)) \\
&:= ((4/4 + 4)^4) + (4^4 \times (44 - 4)) \\
&:= (5^5/5) + ((5 + 5) \times ((5 - 5/5)^5)) \\
&:= 6 + (66666/6 - (6 \times (6 \times 6 + 6))) \\
&:= 7/7 + ((7 + 7) \times (777 - 7/7)) \\
&:= 8/8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) - (8 + 8)) \\
&:= (99/9) + ((99 \times (99 + 9)) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10866 &:= 11111 - (1 + ((1 + 1) \times (1 + (11^{1+1})))) \\
&:= 222 + ((22^{2/2+2}) - (2 + 2)) \\
&:= 3 + ((33 \times (333 - 3)) - 3^3) \\
&:= 4/4 + ((4^4 \times (44 - 4)) + ((4/4 + 4)^4)) \\
&:= 5^5 + (((5/5 + 5)^5) - ((5 \times 5 + 5) + 5)) \\
&:= 66 + (6 \times ((6 - 6 \times 6) \times (6 - 66))) \\
&:= ((7 + 7) \times 777) - ((77 + 7)/7) \\
&:= 8 + ((8/8 + 88) \times ((888 + 88)/8)) \\
&:= 9 + ((99/9) \times (999 - ((99 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10867 &:= 11111 - ((1 + 1) \times (1 + (11^{1+1}))) \\
&:= 222 + ((22^{2/2+2}) - (2/2 + 2)) \\
&:= 3 + (((33 - 33/3)^3) + ((3 + 3)^3)) \\
&:= (44 \times (4^4 - (4 + 4))) - (44 + 4/4) \\
&:= ((5^5 + 5 + 5)/5) + ((5 + 5) \times ((5 - 5/5)^5)) \\
&:= ((6 - 6/6)^6) - ((6 \times (66 \times (6 + 6))) + 6) \\
&:= ((7 + 7) \times 777) - (77/7) \\
&:= 88/8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - 88 \\
&:= ((99 - 9/9) \times (999/9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10868 &:= 11 \times (((11 - 1)^{1+1+1}) - (1 + 11)) \\
&:= 22 \times (((2 \times (2 + 2)) + 22^2) + 2) \\
&:= (3/3 + 3) \times (((33/3 + 3)^3) - 3^3) \\
&:= 44 \times (4^4 - ((4/4 + 4) + 4)) \\
&:= (55555/5) - ((5 - (5 + 5)/5)^5) \\
&:= 66 + ((6 \times ((6 - 6 \times 6) \times (6 - 66))) + ((6 + 6)/6)) \\
&:= ((7 - 77)/7) + ((7 + 7) \times 777) \\
&:= ((88 - 8) \times (8 \times (8 + 8) + 8)) - ((88 + 8)/8) \\
&:= (99/9) \times (999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10869 &:= 11111 - ((1 + 1) \times (11^{1+1})) \\
&:= 222 + ((22^{2/2+2}) - 2/2) \\
&:= 3 + (((33 \times (333 - 3)) - 3^3) + 3) \\
&:= 4 + ((4^4 \times (44 - 4)) + ((4/4 + 4)^4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (((5 + 5)/5)^5)) \\
&:= ((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) - (666/6) \\
&:= ((7 + 7) \times 777) - ((7 + 7)/7 + 7) \\
&:= ((88 - 8) \times (8 \times (8 + 8) + 8)) - (88/8) \\
&:= ((99 - 9/9) \times (999/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10870 &:= 1 + (11111 - ((1 + 1) \times (11^{1+1}))) \\
&:= 222 + (22^{2/2+2}) \\
&:= 3 + (((33 - 33/3)^3) + ((3 + 3)^3)) + 3 \\
&:= ((4 + 4)/4) + (44 \times (4^4 - ((4/4 + 4) + 4))) \\
&:= (5 \times (5 \times (555 + 5))) - (5^5 + 5) \\
&:= 6 + ((6 \times ((6 - 6 \times 6) \times (6 - 66))) + (((6 + 6)/6)^6)) \\
&:= ((7 + 7) \times 777) - (7/7 + 7) \\
&:= ((8 - 88)/8) + ((88 - 8) \times (8 \times (8 + 8) + 8)) \\
&:= (9/9 + 9) \times (((99 \times 99) - (9 + 9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10871 &:= 11111 - ((1+1) \times ((11^{1+1}) - 1)) \\
&:= 2/2 + ((22^{2/2+2}) + 222) \\
&:= 3 + ((3/3+3) \times (((33/3+3)^3) - 3^3)) \\
&:= 4 \times 4 + ((44444/4) - 4^4) \\
&:= 5^5 + (((5/5+5)^5) - (5 \times 5 + 5)) \\
&:= (6 \times (((6-6 \times 6) \times (6-66)) + 6) + 6) - 6/6 \\
&:= ((7+7) \times 777) - 7 \\
&:= ((88-8) \times (8 \times (8+8) + 8)) - (8/8+8) \\
&:= ((9/9+9) \times ((99 \times 99) - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10872 &:= (11 - 1 - 1) \times ((11 \times (111 - 1)) - (1 + 1)) \\
&:= 2 + ((22^{2/2+2}) + 222) \\
&:= (33 \times (333 - 3)) - (3 \times (3 + 3)) \\
&:= 4 + (44 \times (4^4 - ((4/4 + 4) + 4))) \\
&:= 5^5 + (((5/5+5)^5) - (5 \times 5 + 5)) + 5/5 \\
&:= 6 \times (((6-6 \times 6) \times (6-66)) + 6) + 6 \\
&:= 7/7 + (((7+7) \times 777) - 7) \\
&:= ((88-8) \times (8 \times (8+8) + 8)) - 8 \\
&:= 99 + ((99 \times (99+9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10873 &:= 1 + ((11 - 1 - 1) \times ((11 \times (111 - 1)) - (1 + 1))) \\
&:= 2 + (((22^{2/2+2}) + 222) + 2/2) \\
&:= 3 \times 3 + (((33 - 33/3)^3) + ((3+3)^3)) \\
&:= 4 + (((4^4 \times (44 - 4)) + ((4/4 + 4)^4)) + 4) \\
&:= (5 \times (5 \times (555 + 5))) - ((5+5)/5) + 5^5 \\
&:= ((6 - 6/6)^6) - (6 \times (66 \times (6 + 6))) \\
&:= ((7+7)/7) + (((7+7) \times 777) - 7) \\
&:= 8/8 + (((88-8) \times (8 \times (8+8) + 8)) - 8) \\
&:= 9 + ((99 - ((9+9)/9)) \times ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10874 &:= 1 + (1 + ((11 - 1 - 1) \times ((11 \times (111 - 1)) - (1 + 1)))) \\
&:= 2 + (((22^{2/2+2}) + 222) + 2) \\
&:= (33/3) + ((33 \times (333 - 3)) - 3^3) \\
&:= ((44 - 4) \times ((4 \times 4) + 4^4)) - (((4+4)/4) + 4) \\
&:= (5 \times (5 \times (555 + 5))) - (5^5 + 5/5) \\
&:= 6/6 + (((6 - 6/6)^6) - (6 \times (66 \times (6 + 6)))) \\
&:= 7 + (((7+7) \times 777) - (77/7)) \\
&:= ((8+8)/8) + (((88-8) \times (8 \times (8+8) + 8)) - 8) \\
&:= 9 + (((99 \times (99+9)) + (99/9)) + (9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10875 &:= (111 \times (111 - 1 - 1 - 11)) - (1 + 1 + 1) \\
&:= 2 + (((22^{2/2+2}) + 222) + 2/2) + 2 \\
&:= 3 + ((33 \times (333 - 3)) - (3 \times (3 + 3))) \\
&:= ((44 - 4) \times ((4 \times 4) + 4^4)) - (4/4 + 4) \\
&:= (5 \times (5 \times (555 + 5))) - 5^5 \\
&:= (6 - 6/6) \times (((66 \times 66) - 6) / ((6+6)/6)) \\
&:= ((7+7) \times 777) - ((7+7+7)/7) \\
&:= (8/8 - 88) \times ((88/8) - (8 \times (8+8) + 8)) \\
&:= 9 + (((99/9) \times (999 - ((9+9)/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10876 &:= (111 \times (111 - 1 - 1 - 11)) - (1 + 1) \\
&:= (222 \times ((2 \times (22 + 2)) + 2/2)) - 2 \\
&:= (33 \times (333 - 3)) - (33/3 + 3) \\
&:= ((44 - 4) \times ((4 \times 4) + 4^4)) - 4 \\
&:= 5^5 + (((5/5+5)^5) - (5 \times 5)) \\
&:= 66 + (((666 - 6)/6) - 6)^{(6+6)/6} - 6 \\
&:= ((7+7) \times 777) - ((7+7)/7) \\
&:= ((88-8) \times (8 \times (8+8) + 8)) - (8 \times 8 / (8+8)) \\
&:= ((99-9/9) \times (999/9)) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10877 &:= (111 \times (111 - 1 - 1 - 11)) - 1 \\
&:= ((222/2)^2) - (((2+2+2)^2) + 2)^2 \\
&:= (33 \times 333) - ((333+3)/3) \\
&:= 4/4 + (((44 - 4) \times ((4 \times 4) + 4^4)) - 4) \\
&:= 5^5 + (((5/5+5)^5) - (5 \times 5)) + 5/5 \\
&:= ((6+6+6) \times 666) - (6666/6) \\
&:= ((7+7) \times 777) - 7/7 \\
&:= 8 + (((88-8) \times (8 \times (8+8) + 8)) - 88/8) \\
&:= 9 + ((99/9) \times (999 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10878 &:= 111 \times (111 - 1 - 1 - 11) \\
&:= 222 \times ((2 \times (22 + 2)) + 2/2) \\
&:= (333/3) \times ((3 \times 33) - 3/3) \\
&:= (44 - ((4+4)/4)) \times ((4^4 - 4/4) + 4) \\
&:= 5^5 + (((5/5+5)^5) - (5 \times 5)) + ((5+5)/5) \\
&:= 6 + (6 \times (((6-6 \times 6) \times (6-66)) + 6) + 6) \\
&:= (7+7) \times 777 \\
&:= (888/8) \times (((8+8)/8) + 88) + 8 \\
&:= (99 - 9/9) \times (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10879 &:= 11 \times (((11 - 1)^{1+1+1}) - 11) \\
&:= (22 + 2/2) \times (22^2 - (22/2)) \\
&:= (33 \times (333 - 3)) - (33/3) \\
&:= (44 - 4/4) \times ((4/4 - 4) + 4^4) \\
&:= 5 + ((5 \times (5 \times (555 + 5))) - (5^5 + 5/5)) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (66 \times (6 + 6)))) \\
&:= 7/7 + ((7+7) \times 777) \\
&:= ((88-8) \times (8 \times (8+8) + 8)) - 8/8 \\
&:= (99/9) \times (999 - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10880 &:= 1 + (11 \times (((11 - 1)^{1+1+1}) - 11)) \\
&:= 2 + (222 \times ((2 \times (22 + 2)) + 2/2)) \\
&:= ((3 - 33)/3) + (33 \times (333 - 3)) \\
&:= (44 - 4) \times ((4 \times 4) + 4^4) \\
&:= 5 + ((5 \times (5 \times (555 + 5))) - 5^5) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (66 \times (6 + 6)))) + 6/6 \\
&:= ((7+7)/7) + ((7+7) \times 777) \\
&:= (88 - 8) \times (8 \times (8+8) + 8) \\
&:= (9/9 + 9) \times (((99 \times 99) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10881 &:= (11 - 1 - 1) \times ((11 \times (111 - 1)) - 1) \\
&:= 2 + ((22 + 2/2) \times (22^2 - (22/2))) \\
&:= (33 \times (333 - 3)) - (3 \times 3) \\
&:= 4/4 + ((44 - 4) \times ((4 \times 4) + 4^4)) \\
&:= 5 + (((5/5 + 5)^5) - (5 \times 5)) + 5^5 \\
&:= 6 + ((6 - 6/6) \times (((66 \times 66) - 6)/(6 + 6/6))) \\
&:= ((7 + 7 + 7)/7) + ((7 + 7) \times 777) \\
&:= 8/8 + ((88 - 8) \times (8 \times (8 + 8) + 8)) \\
&:= (9 \times 99) + (9999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10882 &:= 1 + ((11 - 1 - 1) \times ((11 \times (111 - 1)) - 1)) \\
&:= 2 + ((222 \times ((2 \times (22 + 2)) + 2/2)) + 2) \\
&:= 3 + ((33 \times (333 - 3)) - 33/3) \\
&:= ((4 + 4)/4) + ((44 - 4) \times ((4 \times 4) + 4^4)) \\
&:= 5 + (((5/5 + 5)^5) - (5 \times 5)) + 5^5 + 5/5 \\
&:= 66 + (((666 - 6)/6) - 6)^{(6+6)/6} \\
&:= (77/7) + (((7 + 7) \times 777) - 7) \\
&:= ((8 + 8)/8) + ((88 - 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9/9 + ((9999 - 9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10883 &:= 1 + (1 + ((11 - 1 - 1) \times ((11 \times (111 - 1)) - 1))) \\
&:= 2 + (((22 + 2/2) \times (22^2 - (22/2))) + 2) \\
&:= (33 \times (333 - 3)) - (3/3 + 3 + 3) \\
&:= 4 + ((44 - 4/4) \times ((4/4 - 4) + 4^4)) \\
&:= 5 + (((5/5 + 5)^5) - (5 \times 5)) + ((5 + 5)/5) + 5^5 \\
&:= (66666/6) - ((6 \times 6 \times 6 + 6) + 6) \\
&:= 7 + (((7 + 7) \times 777) - ((7 + 7)/7)) \\
&:= 88/8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) - 8) \\
&:= ((9 + 9)/9) + ((9999 - 9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10884 &:= 11111 - (1 + ((1 + 1) \times (1 + (1 + 111)))) \\
&:= 22^2 + ((22 + 2 + 2) \times ((22 - 2)^2)) \\
&:= (33 \times (333 - 3)) - (3 + 3) \\
&:= 4 + ((44 - 4) \times ((4 \times 4) + 4^4)) \\
&:= 5^5 + (((5/5 + 5)^5) - ((55 + 5)/5 + 5)) \\
&:= (66 \times ((66 \times (6 \times 6 - 6))/(6 + 6))) - 6 \\
&:= 7 + (((7 + 7) \times 777) - 7/7) \\
&:= (8 \times 8/(8 + 8)) + ((88 - 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10885 &:= 11111 - ((1 + 1) \times (1 + (1 + 111))) \\
&:= (22222/2) - ((222 + 2) + 2) \\
&:= 3/3 + ((33 \times (333 - 3)) - (3 + 3)) \\
&:= 4 + (((44 - 4) \times ((4 \times 4) + 4^4)) + 4/4) \\
&:= 5 + (((5 \times (5 \times (555 + 5))) - 5^5) + 5) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (66 \times (6 + 6)))) + 6 \\
&:= 7 + ((7 + 7) \times 777) \\
&:= 8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) - 88/8) + 8 \\
&:= 9 + (((99 - 9/9) \times (999/9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10886 &:= 11111 - (1 + ((1 + 1) \times (1 + 111))) \\
&:= (22 \times (22/2 + 22^2)) - (2 + 2) \\
&:= (33 \times (333 - 3)) - (3/3 + 3) \\
&:= 4 + (((44 - 4) \times ((4 \times 4) + 4^4)) + ((4 + 4)/4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 + 5 + 5)) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (66 \times (6 + 6)))) + 6/6 + 6 \\
&:= 7 + (((7 + 7) \times 777) + 7/7) \\
&:= 8 + ((888/8) \times (((8 + 8)/8) + 88) + 8) \\
&:= 9 + (((99/9) \times (999 - (99/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10887 &:= 11111 - ((1 + 1) \times (1 + 111)) \\
&:= (22222/2) - (222 + 2) \\
&:= (33 \times (333 - 3)) - 3 \\
&:= 4 + (((44 - 4/4) \times ((4/4 - 4) + 4^4)) + 4) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 + 5 + 5)) + 5/5 \\
&:= 6 + (((6 - 6/6) \times (((66 \times 66) - 6)/(6 + 6/6))) + 6) \\
&:= 7 + (((7 + 7) \times 777) + (7 + 7)/7) \\
&:= 8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) - 8/8) \\
&:= 9 + ((99 - 9/9) \times (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10888 &:= 11111 - (1 + ((1 + 1) \times 111)) \\
&:= (22 \times (22/2 + 22^2)) - 2 \\
&:= 3/3 + ((33 \times (333 - 3)) - 3) \\
&:= 4 + (((44 - 4) \times ((4 \times 4) + 4^4)) + 4) \\
&:= 5^5 + (((5/5 + 5)^5) - ((55 + 5 + 5)/5)) \\
&:= 6 + (((666 - 6)/6) - 6)^{(6+6)/6} + 66 \\
&:= ((77 - 7)/7) + ((7 + 7) \times 777) \\
&:= 8 + ((88 - 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 + ((99/9) \times (999 - (9/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10889 &:= 11111 - ((1 + 1) \times 111) \\
&:= (22222/2) - 222 \\
&:= (33 \times (333 - 3)) - 3/3 \\
&:= 4 + (((44 - 4) \times ((4 \times 4) + 4^4)) + 4/4) + 4 \\
&:= 5^5 + (((5/5 + 5)^5) - ((55 + 5)/5)) \\
&:= (66666/6) - (6 \times 6 \times 6 + 6) \\
&:= (77/7) + ((7 + 7) \times 777) \\
&:= 8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) + 8/8) \\
&:= (9 \times 99) + (9999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10890 &:= 11 \times ((11 - 1 - 1) \times (111 - 1)) \\
&:= 22 \times (22/2 + 22^2) \\
&:= 33 \times (333 - 3) \\
&:= (44 + 4/4) \times ((44 \times 44)/(4 + 4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (55/5)) \\
&:= 66 \times ((66 \times (6 \times 6 - 6))/(6 + 6)) \\
&:= ((77 + 7)/7) + ((7 + 7) \times 777) \\
&:= ((88/8) + 88) \times ((888 - 8)/8) \\
&:= 99 \times ((99/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10891 &:= 1 + (11 \times ((11 - 1 - 1) \times (111 - 1))) \\
&:= 2 + ((22222/2) - 222) \\
&:= 3/3 + (33 \times (333 - 3)) \\
&:= (44/4) + ((44 - 4) \times ((4 \times 4) + 4^4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 + 5)) \\
&:= 6/6 + (66 \times ((66 \times (6 \times 6 - 6))/(6 + 6))) \\
&:= 7 + (((7 + 7) \times 777) - 7/7) + 7 \\
&:= 88/8 + ((88 - 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9/9 + (9999 + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10892 &:= 1 + (1 + (11 \times ((11 - 1 - 1) \times (111 - 1)))) \\
&:= 2 + (22 \times (22/2 + 22^2)) \\
&:= 3 + ((33 \times (333 - 3)) - 3/3) \\
&:= (44 \times (4^4 - (4 + 4))) - (4 \times 4 + 4) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 + 5)) + 5/5 \\
&:= ((6 + 6)/6) + (66 \times ((66 \times (6 \times 6 - 6))/(6 + 6))) \\
&:= 7 + (((7 + 7) \times 777) + 7) \\
&:= ((88 + 8)/8) + ((88 - 8) \times (8 \times (8 + 8) + 8)) \\
&:= ((9 + 9)/9) + (9999 + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10893 &:= 11111 - ((1 + 1) \times (111 - (1 + 1))) \\
&:= 2 + (((22222/2) - 222) + 2) \\
&:= 3 + (33 \times (333 - 3)) \\
&:= 4/4 + ((44 \times (4^4 - (4 + 4))) - (4 \times 4 + 4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 + 5)) + ((5 + 5)/5) \\
&:= (66 \times (6 + 6)) + 666666/66 \\
&:= 7 + (((7 + 7) \times 777) + 7/7) + 7 \\
&:= 88 + (((88 + 8 + 8)^{(8+8)/8}) - 88/8) \\
&:= (9 \times 99) + (9999 + ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10894 &:= 1 + (11111 - ((1 + 1) \times (111 - (1 + 1)))) \\
&:= 2 + ((22 \times (22/2 + 22^2)) + 2) \\
&:= 3 + ((33 \times (333 - 3)) + 3/3) \\
&:= 4 + ((44 + 4/4) \times ((44 \times 44)/(4 + 4))) \\
&:= 5^5 + (((5/5 + 5)^5) - (((5 + 5)/5) + 5)) \\
&:= (66666/6) - ((6 \times 6 \times 6) + 6/6) \\
&:= 7 + (((7 + 7) \times 777) + ((7 + 7)/7) + 7) \\
&:= 8 + (((888/8) \times (((8 + 8)/8) + 88) + 8) + 8) \\
&:= (99 \times 99) + (9999/9 - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10895 &:= 11111 - ((1 + 1) \times (111 - (1 + 1 + 1))) \\
&:= 2 + (((22222/2) - 222) + 2) + 2 \\
&:= (33333/3) - ((3 + 3)^3) \\
&:= 4^4 + ((4^4 \times 44) - ((4/4 + 4)^4)) \\
&:= 5^5 + (((5/5 + 5)^5) - (5/5 + 5)) \\
&:= (66666/6) - (6 \times 6 \times 6) \\
&:= 7 + (((7 + 7) \times 777) + ((77 - 7)/7)) \\
&:= 8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) - 8/8) + 8 \\
&:= ((99 - 9/9) \times ((999 + 9)/9)) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10896 &:= 1 + (11111 - ((1 + 1) \times (111 - (1 + 1 + 1)))) \\
&:= (22 + 2) \times ((2 \times ((222 + 2) + 2)) + 2) \\
&:= 3 + ((33 \times (333 - 3)) + 3) \\
&:= (44 \times (4^4 - (4 + 4))) - (4 \times 4) \\
&:= 5^5 + (((5/5 + 5)^5) - 5) \\
&:= 6 + (66 \times ((66 \times (6 \times 6 - 6))/(6 + 6))) \\
&:= 7 + (((7 + 7) \times 777) + (77/7)) \\
&:= 8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) + 8) \\
&:= 9 + (((99 - 9/9) \times (999/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10897 &:= (((11 - 1)^{1+1}) \times (111 - (1 + 1))) - (1 + 1 + 1) \\
&:= 2/2 + ((22 + 2) \times ((2 \times ((222 + 2) + 2)) + 2)) \\
&:= 3 + (((33 \times (333 - 3)) + 3/3) + 3) \\
&:= 4/4 + ((44 \times (4^4 - (4 + 4))) - 4 \times 4) \\
&:= 5^5 + (((5/5 + 5)^5) - 5) + 5/5 \\
&:= 6 + ((66 \times ((66 \times (6 \times 6 - 6))/(6 + 6))) + 6/6) \\
&:= 7 + (((7 + 7) \times 777) + ((77 + 7)/7)) \\
&:= (8/8 + 8 + 8) \times ((8 \times (88 - 8)) + 8/8) \\
&:= ((99/9) \times (999 - 9/9)) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10898 &:= (((11 - 1)^{1+1}) \times (111 - (1 + 1))) - (1 + 1) \\
&:= 2 + ((22 + 2) \times ((2 \times ((222 + 2) + 2)) + 2)) \\
&:= 3 + ((33333/3) - ((3 + 3)^3)) \\
&:= ((4 + 4)/4) + ((44 \times (4^4 - (4 + 4))) - 4 \times 4) \\
&:= 5^5 + (((5/5 + 5)^5) - 5) + ((5 + 5)/5) \\
&:= 6 + ((66 \times ((66 \times (6 \times 6 - 6))/(6 + 6))) + ((6 + 6)/6)) \\
&:= 7 + (((7 + 7) \times 777) - 7/7) + 7 + 7 \\
&:= 8 + (((88/8) + 88) \times ((888 - 8)/8)) \\
&:= 9 + ((9999 - 9/9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10899 &:= (11 - 1 - 1) \times (1 + (11 \times (111 - 1))) \\
&:= (22/2) + ((22 \times (22/2 + 22^2)) - 2) \\
&:= 3 \times 3 + (33 \times (333 - 3)) \\
&:= 44 + ((44444/4) - 4^4) \\
&:= 5^5 + (((5/5 + 5)^5) - ((5 + 5)/5)) \\
&:= ((6 - 6/6) \times ((6 \times 6/(6 + 6))^{6/6+6})) - (6 \times 6) \\
&:= 7 + (((7 + 7) \times 777) + 7) + 7 \\
&:= 8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) + (88/8)) \\
&:= 9 + (9999 + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10900 &:= ((11 - 1)^{1+1}) \times (111 - (1 + 1)) \\
&:= ((2 \times (22 + 2)) + 2) \times (222 - 2 - 2) \\
&:= 3 \times 3 + ((33 \times (333 - 3)) + 3/3) \\
&:= 4 + ((44 \times (4^4 - (4 + 4))) - 4 \times 4) \\
&:= 5^5 + (((5/5 + 5)^5) - 5/5) \\
&:= 6 + (66666/6 - ((6 \times 6 \times 6) + 6/6)) \\
&:= 7 + (((7 + 7) \times 777) + 7/7) + 7 + 7 \\
&:= 8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) + ((88 + 8)/8)) \\
&:= (9/9 + 9) \times (((99 \times 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10901 &:= 1 + (((11 - 1)^{1+1}) \times (111 - (1 + 1))) \\
&:= (22/2) + (22 \times (22/2 + 22^2)) \\
&:= (33/3) + (33 \times (333 - 3)) \\
&:= (44 \times (4^4 - (4 + 4))) - (44/4) \\
&:= 5^5 + ((5/5 + 5)^5) \\
&:= 6 + (66666/6 - (6 \times 6 \times 6)) \\
&:= 7 + (((7 + 7) \times 777) + ((7 + 7)/7) + 7) + 7 \\
&:= (88/8) \times (((888/8) - 8) + 888) \\
&:= (99/9) \times ((999 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10902 &:= 1 + (1 + (((11 - 1)^{1+1}) \times (111 - (1 + 1)))) \\
&:= (2^{2 \times (2+2)}) + ((22^{2/2+2}) - 2) \\
&:= 3 + ((33 \times (333 - 3)) + 3 \times 3) \\
&:= ((4 - 44)/4) + (44 \times (4^4 - (4 + 4))) \\
&:= 5^5 + (((5/5 + 5)^5) + 5/5) \\
&:= 66 + (6 \times (((6 - 6 \times 6) \times (6 - 66)) + 6)) \\
&:= 7 + (((7 + 7) \times 777) + ((77 - 7)/7) + 7) \\
&:= 88 + (((88 + 8 + 8)^{(8+8)/8}) - ((8 + 8)/8)) \\
&:= 9/9 + ((99/9) \times ((999 - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10903 &:= 1 + (1 + (1 + (((11 - 1)^{1+1}) \times (111 - (1 + 1)))))) \\
&:= (2^{2 \times (2+2)}) + ((22^{2/2+2}) - 2/2) \\
&:= 3 + (((33 \times (333 - 3)) + 3 \times 3) + 3/3) \\
&:= (44 \times (4^4 - (4 + 4))) - ((4/4 + 4) + 4) \\
&:= 5^5 + (((5/5 + 5)^5) + ((5 + 5)/5)) \\
&:= ((6 - 6/6)^6) + ((6 \times (6 - (66 \times (6 + 6)))) - 6) \\
&:= 7 + (((7 + 7) \times 777) + (77/7) + 7) \\
&:= 88 + (((88 + 8 + 8)^{(8+8)/8}) - 8/8) \\
&:= (99 \times 99) + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10904 &:= 1 + (1 + (1 + (1 + (((11 - 1)^{1+1}) \times (111 - (1 + 1)))))) \\
&:= (2^{2 \times (2+2)}) + (22^{2/2+2}) \\
&:= 3 + ((33 \times (333 - 3)) + (33/3)) \\
&:= (44 \times (4^4 - (4 + 4))) - (4 + 4) \\
&:= 5 + (((5/5 + 5)^5) - ((5 + 5)/5) + 5^5) \\
&:= ((6 + 6)/6 + 6) \times (((6 \times 6 \times 6 \times 6) + 66) + 6/6) \\
&:= 7 + (((7 + 7) \times 777) + ((77 + 7)/7) + 7) \\
&:= 88 + ((88 + 8 + 8)^{(8+8)/8}) \\
&:= (99 \times 99) + (((9999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10905 &:= ((1 + (11 \times (1 + 11))) \times (1 + ((11 - 1 - 1)^{1+1}))) - 1 \\
&:= 2/2 + ((22^{2/2+2}) + (2^{2 \times (2+2)})) \\
&:= (33 \times 333) - ((3 \times 3^3) + 3) \\
&:= 4 + ((44 \times (4^4 - (4 + 4))) - 44/4) \\
&:= 5 + (((5/5 + 5)^5) - 5/5 + 5^5) \\
&:= (6 - 6/6) \times (((66 \times 66) + 6)/(6 + 6)/6) \\
&:= ((7 + 7) \times (((7 + 7)/7) + 777)) - 7/7 \\
&:= 8 + ((8/8 + 8 + 8) \times ((8 \times (88 - 8)) + 8/8)) \\
&:= 9 + (((99 - 9/9) \times (999/9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10906 &:= (1 + (11 \times (1 + 11))) \times (1 + ((11 - 1 - 1)^{1+1})) \\
&:= 2 + ((22^{2/2+2}) + (2^{2 \times (2+2)})) \\
&:= 3^3 + ((33 \times (333 - 3)) - 33/3) \\
&:= (44 \times (4^4 - (4 + 4))) - (((4 + 4)/4) + 4) \\
&:= 5 + (((5/5 + 5)^5) + 5^5) \\
&:= 666 + ((6 - 6/6) \times (((6 + 6)/6)^{66/6})) \\
&:= (7 + 7) \times (((7 + 7)/7) + 777) \\
&:= ((88/8) + 8) \times ((8 \times ((8 \times 8) + 8)) - ((8 + 8)/8)) \\
&:= 9 + (((99/9) \times (999 - 9/9)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10907 &:= ((11 - 1 - 1) \times (1 + (1 + (11 \times (111 - 1)))))) - 1 \\
&:= 2 + (((22^{2/2+2}) + (2^{2 \times (2+2)})) + 2/2) \\
&:= (33 \times 333) - ((3 \times 3^3) + 3/3) \\
&:= (44 \times (4^4 - (4 + 4))) - (4/4 + 4) \\
&:= 5 + (((5/5 + 5)^5) + 5/5 + 5^5) \\
&:= 6 + ((66666/6 - (6 \times 6 \times 6)) + 6) \\
&:= 7/7 + ((7 + 7) \times (((7 + 7)/7) + 777)) \\
&:= 8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) + (88/8) + 8) \\
&:= (99 \times (999/9)) - (9/9 + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10908 &:= (11 - 1 - 1) \times (1 + (1 + (11 \times (111 - 1)))) \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2)) + 2)^2) - 22 \\
&:= (33 \times 333) - (3 \times 3^3) \\
&:= (44 \times (4^4 - (4 + 4))) - 4 \\
&:= 5 + (((5/5 + 5)^5) + ((5 + 5)/5) + 5^5) \\
&:= (6 + 6 + 6) \times ((666 - 66) + 6) \\
&:= (((7 + 7)/7)^7) + ((7 + 7) \times (777 - 7)) \\
&:= (8/8 + 8) \times ((8 \times ((8 \times 8) + 88)) - (8 \times 8/(8 + 8))) \\
&:= (99 + 9) \times (((9 + 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10909 &:= 1 + ((11 - 1 - 1) \times (1 + (1 + (11 \times (111 - 1)))))) \\
&:= ((222/2 - 2)^2) - (2 \times (22^2 + 2)) \\
&:= 3/3 + ((33 \times 333) - (3 \times 3^3)) \\
&:= 4/4 + ((44 \times (4^4 - (4 + 4))) - 4) \\
&:= 5 + (((5/5 + 5)^5) - ((5 + 5)/5) + 5^5) + 5 \\
&:= ((6 - 6/6)^6) + (6 \times (6 - (66 \times (6 + 6)))) \\
&:= 7 \times 7 + (((7 + 7) \times 777) - (77/7 + 7)) \\
&:= 8 + ((88/8) \times (((888/8) - 8) + 888)) \\
&:= 9 + ((9/9 + 9) \times (((99 \times 99) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10910 &:= (11 - 1) \times (1 + (1 + ((11 \times (1 + 1 + 1))^{1+1}))) \\
&:= (22 \times (22^2 + 22)) - 222 \\
&:= 3 + ((33 \times 333) - ((3 \times 3^3) + 3/3)) \\
&:= (44 \times (4^4 - (4 + 4))) - ((4 + 4)/4) \\
&:= 5 + (((5/5 + 5)^5) - 5/5 + 5^5) + 5 \\
&:= 6/6 + ((6 \times (6 - (66 \times (6 + 6)))) + ((6 - 6/6)^6)) \\
&:= 7 + (((7 + 7) \times 777) + (77/7) + 7) + 7 \\
&:= ((8 + 8)/8) \times ((88 \times ((8 \times 8) - ((8 + 8)/8))) - 8/8) \\
&:= 9 + ((99/9) \times ((999 - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10911 &:= 11 + (((11-1)^{1+1}) \times (111 - (1+1))) \\
&:= 22 + ((22222/2) - 222) \\
&:= 3 + ((33 \times 333) - (3 \times 3^3)) \\
&:= (44 \times (4^4 - (4+4))) - 4/4 \\
&:= 5 + (((5/5+5)^5) + 5^5) + 5 \\
&:= (666/6) + (6 \times ((6-6 \times 6) \times (6-66))) \\
&:= 7 + (((7+7) \times 777) + ((77+7)/7) + 7) + 7 \\
&:= (88888/8) - ((8 \times (8+8+8)) + 8) \\
&:= (99 \times 99) + ((9999-9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10912 &:= 11 \times (1 + (1 + ((11-1-1) \times (111-1)))) \\
&:= 22 \times ((2 \times (2+2+2)) + 22^2) \\
&:= ((3 \times 3) - 3/3) \times (((33/3)^3) + 33) \\
&:= 44 \times (4^4 - (4+4)) \\
&:= 5^5 + (((5/5+5)^5) + (55/5)) \\
&:= ((666+6)/6) + (6 \times ((6-6 \times 6) \times (6-66))) \\
&:= 7 + (((7+7) \times ((7+7)/7) + 777) - 7/7) \\
&:= 88 \times ((8 \times (8+8)) - (8 \times 8/(8+8))) \\
&:= (99 \times 99) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10913 &:= 1 + (11 \times (1 + (1 + ((11-1-1) \times (111-1)))))) \\
&:= ((222/2-2)^2) - (2 \times 22^2) \\
&:= (33333/3) - (33 \times (3+3)) \\
&:= 4/4 + (44 \times (4^4 - (4+4))) \\
&:= 5^5 + (((5/5+5)^5) + ((55+5)/5)) \\
&:= 6 + (((66666/6 - (6 \times 6 \times 6)) + 6) + 6) \\
&:= 7 + ((7+7) \times (((7+7)/7) + 777)) \\
&:= 8/8 + (88 \times ((8 \times (8+8)) - (8 \times 8/(8+8)))) \\
&:= (99 \times 99) + ((9999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10914 &:= 11111 - (1 + ((1+1+1+11)^{1+1})) \\
&:= 222 + (22 \times (22^2 + 2)) \\
&:= 3^3 + ((33 \times (333-3)) - 3) \\
&:= ((4+4)/4) + (44 \times (4^4 - (4+4))) \\
&:= 5^5 + (((55+5+5)/5) + ((5/5+5)^5)) \\
&:= 6 + ((6+6+6) \times ((666-66) + 6)) \\
&:= 7 + (((7+7) \times ((7+7)/7) + 777) + 7/7) \\
&:= (8/8+8+8) \times ((8 \times (88-8)) + ((8+8)/8)) \\
&:= ((999/9) - 9) \times ((99-9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10915 &:= 11111 - ((1+1+1+11)^{1+1}) \\
&:= 2 + (((222/2-2)^2) - (2 \times 22^2)) \\
&:= 3 + (((3 \times 3) - 3/3) \times (((33/3)^3) + 33)) \\
&:= 4 + ((44 \times (4^4 - (4+4))) - 4/4) \\
&:= 5^5 + (5 \times (((5 \times 5^5) + 5)/(5+5)) - 5) \\
&:= 6 + ((6 \times (6 - (66 \times (6+6)))) + ((6-6/6)^6)) \\
&:= (77777/7) - ((7+7) \times (7+7)) \\
&:= 88 + (((88+8+8)^{(8+8)/8}) + (88/8)) \\
&:= 9 + (((99/9) \times (999-9/9)) - (9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10916 &:= 1 + (11111 - ((1+1+1+11)^{1+1})) \\
&:= 2 + ((22 \times (22^2 + 2)) + 222) \\
&:= 3^3 + ((33 \times (333-3)) - 3/3) \\
&:= 4 + (44 \times (4^4 - (4+4))) \\
&:= 5 + (((5/5+5)^5) + 5^5) + 5 + 5 \\
&:= ((6-6 \times 6) \times ((6 \times (6-66)) - 6)) - (((6+6)/6)^6) \\
&:= 7 \times 7 + (((7+7) \times 777) - (77/7)) \\
&:= (8 \times 8 \times 8) + (((888-8)/8) - 8)^{(8+8)/8} \\
&:= 9 + ((99 \times (999/9)) - (9/9 + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10917 &:= (11-1-1) \times (1 + (1 + (1 + (11 \times (111-1)))))) \\
&:= (2 \times (2-22^2)) + ((222/2-2)^2) \\
&:= 3^3 + (33 \times (333-3)) \\
&:= 4 + ((44 \times (4^4 - (4+4))) + 4/4) \\
&:= 5 + (((5/5+5)^5) + (55/5)) + 5^5 \\
&:= 6 + ((6 \times ((6-6 \times 6) \times (6-66))) + 666/6) \\
&:= 7 \times 7 + (((7+7) \times 777) + ((7-77)/7)) \\
&:= (8/8+8) \times (((88/8) \times (888/8)) - 8) \\
&:= 9 + ((99+9) \times (((9+9)/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10918 &:= 1 + ((11-1-1) \times (1 + (1 + (1 + (11 \times (111-1)))))) \\
&:= 2 + (((22 \times (22^2 + 2)) + 222) + 2) \\
&:= 3^3 + ((33 \times (333-3)) + 3/3) \\
&:= 4 + ((44 \times (4^4 - (4+4))) + ((4+4)/4)) \\
&:= 5 + (((5/5+5)^5) + ((55+5)/5)) + 5^5 \\
&:= ((6 \times 6 + 66) + 6/6) \times (((666+6)/6) - 6) \\
&:= 7 \times 7 + (((7+7) \times 777) - ((7+7)/7+7)) \\
&:= ((888/8) - 8) \times (((8+8)/8) + 88) + 8 + 8 \\
&:= 9 + (((9/9+9) \times (((99 \times 99) + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10919 &:= (((1+1)^{1+1+1+1+11}) - 11)/(1+1+1) \\
&:= 2 + (((222/2-2)^2) + (2 \times (2-22^2))) \\
&:= 3 + (((33 \times (333-3)) - 3/3) + 3^3) \\
&:= 4 + (((44 \times (4^4 - (4+4))) - 4/4) + 4) \\
&:= 5^5 + ((5 \times 5^5) - (((5/5+5)^5) + 55)) \\
&:= (66-6+6/6) \times ((6 \times (6 \times 6-6)) - 6/6) \\
&:= 7 \times 7 + (((7+7) \times 777) - (7/7+7)) \\
&:= (88888/8) - (8 \times (8+8+8)) \\
&:= ((99/9) \times (999+9/9)) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10920 &:= (11-1) \times (1 + (1 + (1 + ((11 \times (1+1+1))^{1+1})))) \\
&:= 2 \times ((22 \times 222) + (22+2)^2) \\
&:= 3 + ((33 \times (333-3)) + 3^3) \\
&:= 4 + ((44 \times (4^4 - (4+4))) + 4) \\
&:= ((5 \times 5 + 5) + 5) \times ((5^5 - 5)/(5+5)) \\
&:= (6-66) \times ((6 \times (6-6 \times 6)) - ((6+6)/6)) \\
&:= 7 \times 7 + (((7+7) \times 777) - 7) \\
&:= (8/8 + (8 \times 8)) \times ((88-8) + 88) \\
&:= ((9/9 + (9 \times 9)) + 9) \times ((999/9) + 9)
\end{aligned}$$

► 10921 := 1 + ((11 - 1) × (1 + (1 + (1 + ((11 × (1 + 1 + 1))¹⁺¹))))))
 := 2/2 + (2 × ((22 × 222) + (22 + 2)²))
 := 3 + (((33 × (333 - 3)) + 3³) + 3/3)
 := 4 + (((44 × (4⁴ - (4 + 4))) + 4/4) + 4)
 := 5 × 5 + (((5/5 + 5)⁵) - 5) + 5⁵
 := ((6 - 6/6)⁶) - ((6/6 + 6) × (666 + 6))
 := 7/7 + (((7 + 7) × 777) - 7) + (7 × 7)
 := 8/8 + ((8/8 + (8 × 8)) × ((88 - 8) + 88))
 := 9 + (9999/9 + (99 × 99))

► 10926 := 1 + (11111 - (((1 + 1)¹¹) - (1 + 1))/11)
 := 2 + (2 × (((2²⁺²⁻²) + 2)/(2/2 + 2))
 := 3 + ((33 × (333 - 3)) + 33)
 := 4 + ((44 - 4/4) × (4⁴ - (4 + 4)/4))
 := 5 × 5 + (((5/5 + 5)⁵) + 5⁵)
 := (666 × ((66/6) + 6)) - (6 × 66)
 := 7 × 7 + (((7 + 7) × 777) - 7/7)
 := (8/8 + 8) × ((8 × ((8 × 8) + 88)) - ((8 + 8)/8))
 := (9 × (((9 + 9) × (9 + 9)) + (9 × 99))) - 9

► 10922 := (1 + 1) × (((1 + 1)¹⁺¹⁺¹⁺¹¹) - 1)/(1 + 1 + 1)
 := ((2 × 22) - 2/2) × ((2^{2×(2+2)}) - 2)
 := 33 + ((33 × (333 - 3)) - 3/3)
 := (44 - 4/4) × (4⁴ - (4 + 4)/4)
 := 5 + (((5/5 + 5)⁵) + (55/5)) + 5⁵ + 5
 := (((6 × 6) + 6/6) + 6) × ((6 × (6 × 6 + 6)) + ((6 + 6)/6))
 := 7 + ((77777/7) - ((7 + 7) × (7 + 7)))
 := (88 - ((8 + 8)/8)) × ((8 × (8 + 8)) - 8/8)
 := 9 + (((9999 + 9)/9) + (99 × 99))

► 10927 := 111 + ((1 + (1 + (1 + (1 + ((11 - 1)¹⁺¹))))¹⁺¹)
 := (222/2) + ((2 × (2 × (22 + 2 + 2)))²)
 := 3 + (((33 × (333 - 3)) + 33) + 3/3)
 := 4 + ((44 × (4⁴ - (4 + 4))) + 44/4)
 := 5 × 5 + (((5/5 + 5)⁵) + 5/5) + 5⁵
 := 6 + (((6 - 6/6)⁶) - ((6/6 + 6) × (666 + 6)))
 := 7 × 7 + ((7 + 7) × 777)
 := 8 + ((88888/8) - (8 × (8 + 8 + 8)))
 := 9/9 + ((9 × (((9 + 9) × (9 + 9)) + (9 × 99))) - 9)

► 10923 := (1 + ((1 + 1)¹⁺¹⁺¹⁺¹⁺¹¹))/(1 + 1 + 1)
 := 2/2 + (((2 × 22) - 2/2) × ((2^{2×(2+2)}) - 2))
 := 33 + (33 × (333 - 3))
 := (44/4) + (44 × (4⁴ - (4 + 4)))
 := 5⁵ + (((55 + 55)/5) + ((5/5 + 5)⁵)
 := (66/6) × (((66 × (6 × 6 - 6)) + 6)/(6 + 6)/6)
 := 7 + (((7 + 7) × 777) - (77/7)) + (7 × 7)
 := 8/8 + ((88 - ((8 + 8)/8)) × ((8 × (8 + 8)) - 8/8))
 := 9 + (((999/9) - 9) × ((99 - 9/9) + 9))

► 10928 := ((1 + 1)¹¹) + (111 × (((11 - 1 - 1)¹⁺¹) - 1))
 := 2 × (((2²⁺²⁻²) + 2)/(2/2 + 2)) + 2
 := 3 + ((33 × 333) - ((3/3 + 3)³)
 := 4 × 4 + (44 × (4⁴ - (4 + 4)))
 := 5 × 5 + (((5/5 + 5)⁵) + ((5 + 5)/5)) + 5⁵
 := (((66 - 6)/6) + 6) × ((666 + (66/6)) + 6)
 := 7/7 + (((7 + 7) × 777) + (7 × 7))
 := (((8 × 8) + 8) × ((8 × 8) + 88)) - (8 + 8)
 := 9 + (((99/9) × (999 + 9/9)) - (9 × 9))

► 10924 := 1 + ((1 + ((1 + 1)¹⁺¹⁺¹⁺¹⁺¹¹))/(1 + 1 + 1))
 := 2 × (((2²⁺²⁻²) + 2)/(2/2 + 2))
 := 3/3 + ((33 × (333 - 3)) + 33)
 := 4 + (((44 × (4⁴ - (4 + 4))) + 4) + 4)
 := 5 × 5 + (((5/5 + 5)⁵) - ((5 + 5)/5)) + 5⁵
 := 6 + (((6 × 6 + 66) + 6/6) × (((666 + 6)/6) - 6))
 := 7 × 7 + (((7 + 7) × 777) - ((7 + 7 + 7)/7))
 := (88/((8 + 8)/8)) + ((88 - 8) × (8 × (8 + 8) + 8))
 := (9 × (((9 + 9) × (9 + 9)) + (9 × 99))) - (99/9)

► 10929 := 11111 - ((1 + 1 + 11) × (1 + 1 + 1 + 11))
 := 2 + (((2 × (2 × (22 + 2 + 2)))²) + 222/2)
 := (33 × 333) - (3³ + 33)
 := 4 × 4 + ((44 × (4⁴ - (4 + 4))) + 4/4)
 := (55/5 × (((5 - 5/5)⁵) - (5 × 5 + 5))) - 5
 := ((6 - 6/6) × ((6 × 6/(6 + 6))^{6/6+6}) - 6/6)
 := 7 × 7 + (((7 + 7) × 777) + (7 + 7)/7)
 := 8/8 + (((8 × 8) + 8) × ((8 × 8) + 88)) - (8 + 8)
 := 9 + (((9/9 + (9 × 9)) + 9) × ((999/9) + 9))

► 10925 := 11111 - (((1 + 1)¹¹) - (1 + 1))/11
 := (22 + 2/2) × ((22² - (22/2)) + 2)
 := (33 × 333) - ((3/3 + 3)³)
 := 4 + (((44 × (4⁴ - (4 + 4))) + 4/4) + 4) + 4
 := 5⁵ + (5 × (5 × ((5⁵ - 5)/(5 + 5)))
 := (6 × (6 - 6 × 6)) + (66666/6 - 6)
 := 7 × 7 + (((7 + 7) × 777) - ((7 + 7)/7))
 := ((88/8) + 8) × ((8 × ((8 × 8) + 8)) - 8/8)
 := (9 × (((9 + 9) × (9 + 9)) + (9 × 99))) - (9/9 + 9)

► 10930 := (11 - 1) × (1111 - ((1 + 1) × (11 - 1 - 1)))
 := (2 × (((2 × ((2 + 2 + 2)²) + 2)²) - 22
 := ((3 - 3/3) + 3) × ((3 × (3³⁺³)) - 3/3)
 := 4 + (((44 - 4/4) × (4⁴ - (4 + 4)/4)) + 4)
 := 5 + ((5 × (5 × ((5⁵ - 5)/(5 + 5)))) + 5⁵)
 := (6 - 6/6) × (((6 × 6/(6 + 6))^{6/6+6}) - 6/6)
 := 7 × 7 + (((7 + 7) × 777) + ((7 + 7 + 7)/7))
 := 8 + ((88 - ((8 + 8)/8)) × ((8 × (8 + 8)) - 8/8))
 := (9/9 + 9) × (9999/9 - (9 + 9))

$$\begin{aligned}
\blacktriangleright 10931 &:= 11111 - (11 + ((1 + 1 + 11)^{1+1})) \\
&:= 2/2 + ((2 \times ((2 \times ((2 + 2 + 2)^2) + 2)^2)) - 22) \\
&:= ((3^{3+3}) \times (3 \times 3 + 3 + 3)) - (3/3 + 3) \\
&:= (44444/4) - ((4 \times 44) + 4) \\
&:= 5 + (((5/5 + 5)^5) + 5 \times 5) + 5^5 \\
&:= (6 \times (6 - 6 \times 6)) + (66666/6) \\
&:= 7 \times 7 + (((7 + 7) \times 777) - 7) + (77/7) \\
&:= 88/8 + ((8/8 + (8 \times 8)) \times ((88 - 8) + 88)) \\
&:= (99999/9) - (99 + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10932 &:= (1 + 11) \times (11 + (((11 - 1) \times (1 + 1 + 1))^{1+1})) \\
&:= (22 \times ((22/2 + 22^2) + 2)) - 2 \\
&:= ((3^{3+3}) \times (3 \times 3 + 3 + 3)) - 3 \\
&:= 4 + ((44 \times (4^4 - (4 + 4))) + 4 \times 4) \\
&:= 5 + (((5/5 + 5)^5) + 5 \times 5) + 5^5 + 5/5 \\
&:= 6 + ((666 \times ((66/6) + 6)) - (6 \times 66)) \\
&:= 7 + (((7 + 7) \times 777) - ((7 + 7)/7)) + (7 \times 7) \\
&:= (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - ((88 + 8)/8) \\
&:= ((99 + 9)/9) \times (((99/9) + (9 \times 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10933 &:= (1 + 1 + 11) \times (((11 - 1) \times (1 + 1 + 1)) - 1)^{1+1} \\
&:= ((22^2 - 2)/2) + (22 \times (22^2 + 2)) \\
&:= 3/3 + (((3^{3+3}) \times (3 \times 3 + 3 + 3)) - 3) \\
&:= 4 + (((44 \times (4^4 - (4 + 4))) + 4 \times 4) + 4/4) \\
&:= 5^5 + (((5/5 + 5)^5) + (((5 + 5)/5)^5)) \\
&:= 66 + (((6 - 6/6)^6) - ((6 \times (66 \times (6 + 6))) + 6)) \\
&:= 7 + (((7 + 7) \times 777) - 7/7) + (7 \times 7) \\
&:= (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - (88/8) \\
&:= (9 \times (((9 + 9) \times (9 + 9)) + (9 \times 99))) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10934 &:= 11 \times (((1 + 1)^{11-1}) - ((11 - 1) \times (1 + 1 + 1))) \\
&:= 22 \times ((22/2 + 22^2) + 2) \\
&:= ((3^{3+3}) \times (3 \times 3 + 3 + 3)) - 3/3 \\
&:= (44/4) \times ((4 \times (4^4 - (4 + 4))) + ((4 + 4)/4)) \\
&:= (55/5) \times (((5 - 5/5)^5) - (5 \times 5 + 5)) \\
&:= (66/6) \times (((66 - 6)/6)^{6 \times 6 / (6+6)}) - 6 \\
&:= 7 + (((7 + 7) \times 777) + (7 \times 7)) \\
&:= ((8 - 88)/8) + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) \\
&:= (9 \times (((9 + 9) \times (9 + 9)) + (9 \times 99))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10935 &:= 11111 - (11 \times ((1 + 1)^{1+1+1+1})) \\
&:= ((2 \times 22) + 2/2) \times ((22^2 + 2)/2) \\
&:= (3^{3+3}) \times (3 \times 3 + 3 + 3) \\
&:= (44444/4) - (4 \times 44) \\
&:= 5 \times ((5 - (5 + 5)/5)^{(5+5)/5+5}) \\
&:= (6 - 6/6) \times ((6 \times 6 / (6 + 6))^{6/6+6}) \\
&:= (7 - ((7 + 7)/7)) \times (((7 + 7 + 7)/7)^7) \\
&:= (8/8 + 8) \times ((8 \times ((8 \times 8) + 88)) - 8/8) \\
&:= 9 \times (((9 + 9) \times (9 + 9)) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10936 &:= ((1 + 1)^{11}) + (1111 \times ((1 + 1)^{1+1+1})) \\
&:= 2 + (22 \times ((22/2 + 22^2) + 2)) \\
&:= 3/3 + ((3^{3+3}) \times (3 \times 3 + 3 + 3)) \\
&:= (4 + 4) \times ((4444/4) + 4^4) \\
&:= 5 + (((5/5 + 5)^5) + 5 \times 5) + 5^5 + 5 \\
&:= 6/6 + ((6 - 6/6) \times ((6 \times 6 / (6 + 6))^{6/6+6})) \\
&:= 7 + (((7 + 7) \times 777) + ((7 + 7)/7)) + (7 \times 7) \\
&:= (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - 8 \\
&:= 9/9 + (9 \times (((9 + 9) \times (9 + 9)) + (9 \times 99)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10937 &:= 1 + (((1 + 1)^{11}) + (1111 \times ((1 + 1)^{1+1+1}))) \\
&:= 2 + (((2 \times 22) + 2/2) \times ((22^2 + 2)/2)) \\
&:= 3 + (((3^{3+3}) \times (3 \times 3 + 3 + 3)) - 3/3) \\
&:= 4/4 + ((4 + 4) \times ((4444/4) + 4^4)) \\
&:= 5^5 + (((5 \times 5^5) - 5/5) / ((5 + 5)/5)) \\
&:= 6 + (66666/6 + (6 \times (6 - 6 \times 6))) \\
&:= 77 + (((7 + 7) \times 777) - (77/7 + 7)) \\
&:= 8/8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - 8 \\
&:= ((9 + 9)/9) + (9 \times (((9 + 9) \times (9 + 9)) + (9 \times 99)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10938 &:= 1 + (1 + (((1 + 1)^{11}) + (1111 \times ((1 + 1)^{1+1+1})))) \\
&:= 2 + ((22 \times ((22/2 + 22^2) + 2)) + 2) \\
&:= 3 + ((3^{3+3}) \times (3 \times 3 + 3 + 3)) \\
&:= 4 \times 4 + ((44 - 4/4) \times (4^4 - (4 + 4)/4)) \\
&:= 5^5 + (((5 \times 5^5) + 5/5) / ((5 + 5)/5)) \\
&:= ((6 \times 6 + 6 + 6) \times ((6 \times 6 \times 6 + 6) + 6)) - 6 \\
&:= 7 \times 7 + (((7 + 7) \times 777) + (77/7)) \\
&:= ((8 + 8)/8) + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - 8 \\
&:= ((999/9) \times (9/9 + 99)) - (9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10939 &:= 11111 - (1 + (1 + (1 + ((1 + 1 + 11)^{1+1})))) \\
&:= 2 + (((2 \times 22) + 2/2) \times ((22^2 + 2)/2) + 2) \\
&:= 3 + (((3^{3+3}) \times (3 \times 3 + 3 + 3)) + 3/3) \\
&:= 4 + ((44444/4) - (4 \times 44)) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5) - (5 \times 5 + 5))) \\
&:= 66 + (((6 - 6/6)^6) - (6 \times (66 \times (6 + 6)))) \\
&:= 7 \times 7 + (((7 + 7) \times 777) + ((77 + 7)/7)) \\
&:= 88/8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - (8 + 8) \\
&:= 9 + ((9/9 + 9) \times (9999/9 - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10940 &:= 11111 - (1 + (1 + ((1 + 1 + 11)^{1+1}))) \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2) + 2)^2) - (2 + 2 + 2)) \\
&:= (3/3 + 3) \times (((33/3 + 3)^3) - 3 \times 3) \\
&:= 4^4 \times 44 - (4 \times ((4 - 4/4)^4)) \\
&:= 5^5 + (5 \times (((5 \times 5^5) + 5) / (5 + 5))) \\
&:= (6 - 6/6) \times (((6 \times 6 / (6 + 6))^{6/6+6}) + 6/6) \\
&:= 7 + (((7 + 7) \times 777) - 7/7) + (7 \times 7) + 7 \\
&:= (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - (8 \times 8 / (8 + 8)) \\
&:= (99999/9) - ((9 \times (9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10941 &:= 11111 - (1 + ((1 + 1 + 11)^{1+1})) \\
&:= (2 \times (((2 \times ((2 + 2 + 2)^2) + 2)^2)) - (22/2)) \\
&:= 3 + (((3^{3+3}) \times (3 \times 3 + 3 + 3)) + 3) \\
&:= 4/4 + ((4^4 \times 44) - (4 \times ((4 - 4/4)^4))) \\
&:= (((5 + 5)/5) + 5) \times (((5 \times 5^5) + 5)/(5 + 5)) \\
&:= 6 + ((6 - 6/6) \times ((6 \times 6/(6 + 6))^{6/6+6})) \\
&:= 7 + (((7 + 7) \times 777) + (7 \times 7)) + 7) \\
&:= 8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - 88/8) \\
&:= (((99 + 9)/9) + 9) \times (((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10942 &:= 11111 - ((1 + 1 + 11)^{1+1}) \\
&:= (((22 + 2)^2) \times (22 - (2/2 + 2))) - 2 \\
&:= 3 + (((3^{3+3}) \times (3 \times 3 + 3 + 3)) + 3/3) + 3) \\
&:= 4^4 \times 44 - (((4^4 + 4 + 4)/4) + 4^4) \\
&:= 5 + (((5 \times 5^5) - 5/5)/((5 + 5)/5)) + 5^5) \\
&:= ((6 \times 6 + 6 + 6) \times ((6 \times 6 \times 6 + 6) + 6)) - ((6 + 6)/6) \\
&:= 7 + ((7 - ((7 + 7)/7)) \times (((7 + 7 + 7)/7)^7)) \\
&:= (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - ((8 + 8)/8) \\
&:= 9 + (9 \times (((9 + 9) \times (9 + 9)) + (9 \times 99))) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10943 &:= 1 + (11111 - ((1 + 1 + 11)^{1+1})) \\
&:= (((22 + 2)^2) \times (22 - (2/2 + 2))) - 2/2 \\
&:= ((3/3 + 3) \times ((33/3 + 3)^3)) - 33 \\
&:= 4^4 \times 44 - (((4^4 + 4)/4) + 4^4) \\
&:= 5 + (((5 \times 5^5) + 5/5)/((5 + 5)/5)) + 5^5) \\
&:= ((6 \times 6 + 6 + 6) \times ((6 \times 6 \times 6 + 6) + 6)) - 6/6 \\
&:= 77 + (((7 + 7) \times 777) - ((77 + 7)/7)) \\
&:= (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - 8/8 \\
&:= 9 + (9 \times (((9 + 9) \times (9 + 9)) + (9 \times 99))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10944 &:= (1 + 11) \times (((1 + 1)^{11-1}) - (1 + 111)) \\
&:= ((22 + 2)^2) \times (22 - (2/2 + 2)) \\
&:= 3 \times (((3^{3+3}) \times ((3 - 3/3) + 3)) + 3) \\
&:= 4 \times (4 \times ((4 \times ((4 \times 44) - 4) - 4)) \\
&:= ((5/5 + 5) \times (5^5 - 5)) - ((5/5 + 5)^5)) \\
&:= (6 \times 6 + 6 + 6) \times ((6 \times 6 \times 6 + 6) + 6) \\
&:= 77 + (((7 + 7) \times 777) - (77/7)) \\
&:= ((8 \times 8) + 8) \times ((8 \times 8) + 88) \\
&:= 9 + (9 \times (((9 + 9) \times (9 + 9)) + (9 \times 99)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10945 &:= 1 + ((1 + 11) \times (((1 + 1)^{11-1}) - (1 + 111))) \\
&:= 2/2 + (((22 + 2)^2) \times (22 - (2/2 + 2))) \\
&:= (33/3) \times ((3 \times 333) - (3/3 + 3)) \\
&:= 4/4 + (4 \times (4 \times ((4 \times ((4 \times 44) - 4) - 4))) \\
&:= 55 \times (((5 + 5) \times (5 \times 5 - 5)) - 5/5) \\
&:= ((6 - 6/6)^6) + ((6 + 6) \times (6 - (6 \times 66))) \\
&:= (((7 + 7)/7)^{7+7}) - (7 \times 777) \\
&:= 8/8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) \\
&:= 9 + (9 \times (((9 + 9) \times (9 + 9)) + (9 \times 99))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10946 &:= 11111 - (11 \times (1 + (1 + 1 + 1 + 11))) \\
&:= 2 + (((22 + 2)^2) \times (22 - (2/2 + 2))) \\
&:= (33/3) + ((3^{3+3}) \times (3 \times 3 + 3 + 3)) \\
&:= ((4 + 4)/4) + (4 \times (4 \times ((4 \times 44) - 4) - 4)) \\
&:= 55 + (((5/5 + 5)^5) - (5 + 5)) + 5^5) \\
&:= 6/6 + (((6 + 6) \times (6 - (6 \times 66))) + ((6 - 6/6)^6)) \\
&:= 7/7 + (((7 + 7)/7)^{7+7}) - (7 \times 777) \\
&:= ((8 + 8)/8) + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) \\
&:= (99/9) + (9 \times (((9 + 9) \times (9 + 9)) + (9 \times 99)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10947 &:= (1 + (1 + (11^{1+1}))) \times (111 - (11 + 11)) \\
&:= (((22/2)^2) + 2) \times (2 \times 2 \times 22 + 2/2) \\
&:= (33 \times 333) - (3 \times 3 + 33) \\
&:= ((4/4 - 4) + 44) \times ((44/4) + 4^4) \\
&:= 5 + (((5 \times 5^5) - 5/5)/((5 + 5)/5)) + 5^5) + 5) \\
&:= 6 + (((6 - 6/6) \times ((6 \times 6/(6 + 6))^{6/6+6})) + 6) \\
&:= 77 + (((7 + 7) \times 777) - (7/7 + 7)) \\
&:= 88/8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - 8) \\
&:= ((99/9) \times (999 - ((9 + 9 + 9)/9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10948 &:= ((1 + (1 + (1 + 111)))^{1+1}) - ((1 + 1)^{11}) \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2) + 2)^2) - 2) \\
&:= (3/3 + 33) \times (333 - 33/3) \\
&:= 4 + (4 \times (4 \times ((4 \times ((4 \times 44) - 4) - 4))) \\
&:= ((5 + 5) \times ((55 \times (5 \times 5 - 5) - 5)) - ((5 + 5)/5)) \\
&:= ((66/6) + 6) \times (666 - ((66 + 66)/6)) \\
&:= 77 + (((7 + 7) \times 777) - 7) \\
&:= (8 \times 8/(8 + 8)) + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) \\
&:= (99 \times (99 + 9)) + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10949 &:= 1 + (((1 + (1 + (1 + 111)))^{1+1}) - ((1 + 1)^{11})) \\
&:= 2/2 + (2 \times (((2 \times ((2 + 2 + 2)^2) + 2)^2) - 2)) \\
&:= (33333/3) - ((3 + 3) \times 3^3) \\
&:= ((4^4 - 4/4) \times (44 - 4/4)) - (4 \times 4) \\
&:= 5^5 + ((5 \times (5^5 - 5)) - ((5/5 + 5)^5)) \\
&:= 6 + (((6 \times 6 + 6 + 6) \times ((6 \times 6 \times 6 + 6) + 6)) - 6/6) \\
&:= 7/7 + (((7 + 7) \times 777) - 7) + 77) \\
&:= 8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - 88/8) + 8) \\
&:= (99999/9) - (9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10950 &:= (1 + 1) \times (((1 + 1) \times (111/(1 + 1 + 1)))^{1+1}) - 1) \\
&:= (2 \times (((2 \times ((2 + 2 + 2)^2) + 2)^2)) - 2) \\
&:= ((3 - 3/3) + 3) \times ((3 \times (3^{3+3}) + 3) \\
&:= ((44 - 4)/4) \times ((4444/4) - 4 \times 4) \\
&:= (5 + 5) \times ((55 \times (5 \times 5 - 5)) - 5) \\
&:= 6 + ((6 \times 6 + 6 + 6) \times ((6 \times 6 \times 6 + 6) + 6)) \\
&:= 77 + (((7 + 7) \times 777) - 7) + (7 + 7)/7) \\
&:= 8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - ((8 + 8)/8)) \\
&:= 9 + (((99 + 9)/9) + 9) \times (((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10951 &:= ((1+1) \times (((1+1) \times (111/(1+1+1))))^{1+1}) - 1 \\
&:= (2 \times (((2 \times ((2+2+2)^2) + 2)^2)) - 2/2 \\
&:= (33 \times 333) - ((33/3) + 3^3) \\
&:= (4 \times (4 - 44)) + (44444/4) \\
&:= 55 + (((5/5 + 5)^5) - 5) + 5^5 \\
&:= 6 + (((6+6) \times (6 - (6 \times 66))) + ((6 - 6/6)^6)) \\
&:= 7 + (((7+7) \times 777) - (77/7)) + 77 \\
&:= 8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - 8/8 \\
&:= ((99/9) \times (999 - 9/9)) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10952 &:= (1+1) \times (((1+1) \times (111/(1+1+1))))^{1+1} \\
&:= 2 \times (((2 \times ((2+2+2)^2) + 2)^2) \\
&:= (3/3 + 3) \times (((33/3 + 3)^3) - (3 + 3)) \\
&:= 44 + ((44 \times (4^4 - (4 + 4))) - 4) \\
&:= 55 + (((5/5 + 5)^5) - 5) + 5/5 + 5^5 \\
&:= ((6+6)/6 + 6) \times (((6 \times 6) + 6/6)^{(6+6)/6}) \\
&:= 7 + (((7+7)/7)^{7+7}) - (7 \times 777) \\
&:= 8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) \\
&:= (9 - 9/9) \times (((9 \times (9 + 9)) - 9) - 9) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10953 &:= 1 + ((1+1) \times (((1+1) \times (111/(1+1+1))))^{1+1}) \\
&:= 2/2 + (2 \times (((2 \times ((2+2+2)^2) + 2)^2)) \\
&:= (33 \times 333) - (33 + 3) \\
&:= 4 + (((4^4 - 4/4) \times (44 - 4/4)) - 4 \times 4) \\
&:= 5 + (((5+5) \times ((55 \times (5 \times 5 - 5)) - 5)) - ((5+5)/5)) \\
&:= ((666/6 - 6)^{(6+6)/6}) - (66 + 6) \\
&:= 77 + (((7+7) \times 777) - ((7+7)/7)) \\
&:= 8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) + 8/8 \\
&:= 9 + (9 \times (((9+9) \times (9+9)) + (9 \times 99))) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10954 &:= (1+1) \times (1 + (((1+1) \times (111/(1+1+1))))^{1+1}) \\
&:= 2 + (2 \times (((2 \times ((2+2+2)^2) + 2)^2)) \\
&:= 3/3 + ((33 \times 333) - (33 + 3)) \\
&:= 44 + ((44 \times (4^4 - (4 + 4))) - ((4 + 4)/4)) \\
&:= 5 + (((5 \times (5^5 - 5)) - ((5/5 + 5)^5)) + 5^5) \\
&:= 6666 + (((6+6)/6)^6) \times (66 + 6/6) \\
&:= 77 + (((7+7) \times 777) - 7/7) \\
&:= 8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) + ((8+8)/8) \\
&:= 9 + (((9 \times ((9+9) \times (9+9)) + (9 \times 99))) + 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10955 &:= 11111 - ((1+11) \times (1+1+11)) \\
&:= 2 + (2 \times (((2 \times ((2+2+2)^2) + 2)^2)) + 2/2) \\
&:= (33 \times 333) - (3/3 + 33) \\
&:= 44 + ((44 \times (4^4 - (4 + 4))) - 4/4) \\
&:= 5 + ((5+5) \times ((55 \times (5 \times 5 - 5)) - 5)) \\
&:= 66 + (66666/6 - (6 \times 6 \times 6 + 6)) \\
&:= 77 + ((7+7) \times 777) \\
&:= 88/8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) \\
&:= 9 + (9 \times (((9+9) \times (9+9)) + (9 \times 99))) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10956 &:= (1+11) \times (((1+1)^{11-1}) - 111) \\
&:= 2 \times (((2 \times ((2+2+2)^2) + 2)^2) + 2) \\
&:= 33 \times (333 - 3/3) \\
&:= 44 + (44 \times (4^4 - (4 + 4))) \\
&:= 55 + (((5/5 + 5)^5) + 5^5) \\
&:= 66 \times (((6+6)/6)^6) + (6 \times 6) + 66 \\
&:= 7/7 + (((7+7) \times 777) + 77) \\
&:= ((88+8)/8) + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) \\
&:= (99/9) \times (999 - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10957 &:= 1 + ((1+11) \times (((1+1)^{11-1}) - 111)) \\
&:= 2/2 + (2 \times (((2 \times ((2+2+2)^2) + 2)^2) + 2)) \\
&:= 3/3 + (33 \times (333 - 3/3)) \\
&:= 44 + ((44 \times (4^4 - (4 + 4))) + 4/4) \\
&:= 55 + (((5/5 + 5)^5) + 5/5) + 5^5 \\
&:= ((6 - 6/6)^6) - (((6/6 + 6) \times 666) + 6) \\
&:= 77 + (((7+7) \times 777) + (7+7)/7) \\
&:= 88 + (((88 - 8) \times (8 \times (8+8) + 8)) - 88/8) \\
&:= 9 + (((9+9)/9)^{9-9/9}) + (99 \times (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10958 &:= 1 + (1 + ((1+11) \times (((1+1)^{11-1}) - 111))) \\
&:= 2 + (2 \times (((2 \times ((2+2+2)^2) + 2)^2) + 2)) \\
&:= 3 + ((33 \times 333) - (3/3 + 33)) \\
&:= 44 + ((44 \times (4^4 - (4 + 4))) + ((4 + 4)/4)) \\
&:= 55 + (((5/5 + 5)^5) + ((5+5)/5) + 5^5) \\
&:= 6 + (((6+6)/6 + 6) \times (((6 \times 6) + 6/6)^{(6+6)/6})) \\
&:= ((7+7) \times (777 + 7)) - (77/7 + 7) \\
&:= 8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) - ((8+8)/8) + 8 \\
&:= 9 + (99999/9) - (9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10959 &:= (1+1+1) \times (1 + (11 \times (((1+1+1) \times 111) - 1))) \\
&:= 2 + (2 \times (((2 \times ((2+2+2)^2) + 2)^2) + 2)) + 2/2) \\
&:= 3 + (33 \times (333 - 3/3)) \\
&:= 4 + (((44 \times (4^4 - (4 + 4))) - 4/4) + 44) \\
&:= 5 + (((5 \times (5^5 - 5)) - ((5/5 + 5)^5)) + 5^5) + 5 \\
&:= ((666/6 - 6)^{(6+6)/6}) - 66 \\
&:= 7 + (((7+7)/7)^{7+7}) - (7 \times 777) + 7 \\
&:= (88888/8) - ((8 \times 8) + 88) \\
&:= 9 \times 9 + ((99 - 9/9) \times (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10960 &:= (11-1) \times (1111 - (1 + (1+1+1+11))) \\
&:= 2 \times (((2 \times ((2+2+2)^2) + 2)^2) + 2) + 2) \\
&:= 3 + ((33 \times (333 - 3/3)) + 3/3) \\
&:= 4 + ((44 \times (4^4 - (4 + 4))) + 44) \\
&:= 5 + ((5+5) \times ((55 \times (5 \times 5 - 5)) - 5)) + 5 \\
&:= 6/6 + (((666/6 - 6)^{(6+6)/6}) - 66) \\
&:= 7 + (((7+7) \times 777) - ((7+7)/7)) + 77 \\
&:= 8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) + 8 \\
&:= ((99/9) \times (999 - 9/9)) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10961 &:= (1 + (1 + 111)) \times (111 - (1 + 1 + 1 + 11)) \\
&:= 2/2 + (2 \times (((2 \times ((2 + 2 + 2)^2)) + 2)^2) + 2) + 2) \\
&:= (33 \times 333) - (3^3 + 3/3) \\
&:= ((4^4 - 4/4) \times (44 - 4/4)) - 4 \\
&:= 5 + (((5/5 + 5)^5) + 55) + 5^5 \\
&:= 66 + (66666/6 - (6 \times 6 \times 6)) \\
&:= 7 + (((7 + 7) \times 777) - 7/7) + 77 \\
&:= 8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) + 8/8 + 8 \\
&:= 9 \times 9 + ((9/9 + 9) \times ((99 \times 99) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10962 &:= (11 - 1 - 1) \times ((11 \times 111) - (1 + 1 + 1)) \\
&:= 2 + (2 \times (((2 \times ((2 + 2 + 2)^2)) + 2)^2) + 2) + 2) \\
&:= (33 \times 333) - 3^3 \\
&:= ((4^4 - 4)/4) \times ((4 \times 44) - ((4 + 4)/4)) \\
&:= 5 + (((5/5 + 5)^5) + 55) + 5^5 + 5/5 \\
&:= 6 + ((6666 - 66) + (66 \times 66)) \\
&:= 7 + (((7 + 7) \times 777) + 77) \\
&:= (8/8 - 88) \times ((8 + 8)/8) - (8 \times (8 + 8)) \\
&:= (9 \times (99 + 9)) + (9999 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10963 &:= 1 + ((11 - 1 - 1) \times ((11 \times 111) - (1 + 1 + 1))) \\
&:= (22/2) + (2 \times (((2 \times ((2 + 2 + 2)^2)) + 2)^2)) \\
&:= 3/3 + ((33 \times 333) - 3^3) \\
&:= 4^4 \times 44 - (44 + 4^4) + 4/4 \\
&:= 5 + (((5/5 + 5)^5) + ((5 + 5)/5)) + 5^5 + 55 \\
&:= ((6 - 6/6)^6) - ((6/6 + 6) \times 666) \\
&:= 7 + (((7 + 7) \times 777) + 77) + 7/7 \\
&:= ((88/8) + 8) \times ((8 \times (8 \times 8) + 8)) + 8/8 \\
&:= 9/9 + (((9 \times (99 + 9)) - 9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10964 &:= 11111 - (1 + (1 + (1 + ((1 + 11)^{1+1})))) \\
&:= 2 \times ((((((2 \times ((2 + 2 + 2)^2)) + 2)^2) + 2) + 2) + 2) \\
&:= (3/3 + 3) \times (((33/3 + 3)^3) - 3) \\
&:= 4^4 \times 44 - (44 + 4^4) \\
&:= 5^5 + ((5 \times 5^5) - (((5/5 + 5)^5) + 5) + 5) \\
&:= 6/6 + (((6 - 6/6)^6) - ((6/6 + 6) \times 666)) \\
&:= ((7 + 7) \times (777 + 7)) - ((77 + 7)/7) \\
&:= 8 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) + ((88 + 8)/8) \\
&:= ((9 + 9)/9) + (((9 \times (99 + 9)) - 9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10965 &:= 11111 - (1 + (1 + ((1 + 11)^{1+1}))) \\
&:= ((222/2 - 2 - 2)^2) - 22^2 \\
&:= 3 + ((33 \times 333) - 3^3) \\
&:= (4^4 - 4/4) \times (44 - 4/4) \\
&:= 5^5 + (5 \times (((5 \times 5^5) + 5)/(5 + 5)) + 5) \\
&:= 6 + (((666/6 - 6)^{(6+6)/6}) - 66) \\
&:= ((7 + 7) \times (777 + 7)) - (77/7) \\
&:= (8 \times (8 + 8) + 8/8) \times ((88 - 88/8) + 8) \\
&:= 9 + ((99/9) \times (999 - ((9 + 9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10966 &:= 11111 - (1 + ((1 + 11)^{1+1})) \\
&:= 22 + (((22 + 2)^2) \times (22 - (2/2 + 2))) \\
&:= 3 + (((33 \times 333) - 3^3) + 3/3) \\
&:= 4/4 + ((4^4 - 4/4) \times (44 - 4/4)) \\
&:= 5 + (((5/5 + 5)^5) + 55) + 5^5 + 5 \\
&:= (66666/6) - (((6 + 6) \times (6 + 6)) + 6/6) \\
&:= 77 + (((7 + 7) \times 777) + (77/7)) \\
&:= 88 + ((888/8) \times (((8 + 8)/8) + 88) + 8) \\
&:= ((99/9) \times (999 - ((9 + 9)/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10967 &:= 11111 - ((1 + 11)^{1+1}) \\
&:= 2 + (((222/2 - 2 - 2)^2) - 22^2) \\
&:= (33/3) \times (((3 \times 3) + 3/3)^3) - 3 \\
&:= (44/4) \times ((4 \times (4^4 - 4)) - 44/4) \\
&:= 55 + (((5/5 + 5)^5) + (55/5)) + 5^5 \\
&:= (66666/6) - ((6 + 6) \times (6 + 6)) \\
&:= ((7 + 7) \times (777 + 7)) - ((7 + 7)/7 + 7) \\
&:= 8 + ((88888/8) - ((8 \times 8) + 88)) \\
&:= (99/9) \times (999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10968 &:= 1 + (11111 - ((1 + 11)^{1+1})) \\
&:= 2 \times (2 \times (((2^{2+2} - 2)^{2/2+2}) - 2)) \\
&:= 3 + (((33 \times 333) - 3^3) + 3) \\
&:= 4 + ((4^4 \times 44) - (44 + 4^4)) \\
&:= ((5/5 + 5) \times (5^5 - 5/5)) - ((5/5 + 5)^5) \\
&:= ((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) - (6 + 6) \\
&:= ((7 + 7) \times (777 + 7)) - (7/7 + 7) \\
&:= 88 + ((88 - 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 + (((99 - 9/9) \times (999/9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10969 &:= 1 + (1 + (11111 - ((1 + 11)^{1+1}))) \\
&:= ((222/2)^2) - (2 \times ((22 + 2 + 2)^2)) \\
&:= (33 \times 333) - ((33/3) + 3 \times 3) \\
&:= 4 + ((4^4 - 4/4) \times (44 - 4/4)) \\
&:= 5^5 + ((5 \times 5^5) - (((5/5 + 5)^5) + 5)) \\
&:= 6 + (((6 - 6/6)^6) - ((6/6 + 6) \times 666)) \\
&:= ((7 + 7) \times (777 + 7)) - 7 \\
&:= 8/8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) + 88) \\
&:= ((99/9) \times (999 - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10970 &:= (11 - 1) \times (1111 - (1 + 1 + 1 + 11)) \\
&:= 2 + (((2 \times (2 + 2) + 2)^{2+2}) + (2 \times 22^2)) \\
&:= 3 + ((33/3) \times (((3 \times 3) + 3/3)^3) - 3) \\
&:= 4 + (((4^4 - 4/4) \times (44 - 4/4)) + 4/4) \\
&:= ((5 \times 5 - 5) \times 555) - (5 \times 5 \times 5 + 5) \\
&:= (6 - 6/6) \times ((6 \times ((6 \times (66 - 6)) + 6)) - ((6 + 6)/6)) \\
&:= 7/7 + (((7 + 7) \times (777 + 7)) - 7) \\
&:= 8 + ((8/8 - 88) \times (((8 + 8)/8) - (8 \times (8 + 8)))) \\
&:= (9/9 + 9) \times (((99 \times 99) - 9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10971 &:= (11 - 1 - 1) \times ((11 \times 111) - (1 + 1)) \\
&:= 2 + (((222/2)^2) - (2 \times ((22 + 2 + 2)^2))) \\
&:= (33 \times 333) - (3 \times (3 + 3)) \\
&:= ((4 + 4)^4) + ((44/4) \times ((4/4 + 4)^4)) \\
&:= 5 + (((((5/5 + 5)^5) + 55) + 5^5) + 5) + 5 \\
&:= 6 + (((666/6 - 6)^{(6+6)/6}) - 66) + 6 \\
&:= ((7 + 7)/7) + (((7 + 7) \times (777 + 7)) - 7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times (8 \times 8) + 8) + 8/8)) \\
&:= (9 \times (99 + 9)) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10972 &:= 1 + ((11 - 1 - 1) \times ((11 \times 111) - (1 + 1))) \\
&:= 2 \times ((2 \times ((2^{2+2} - 2)^{2/2+2})) - 2) \\
&:= 3/3 + ((33 \times 333) - (3 \times (3 + 3))) \\
&:= 4 + (((4^4 \times 44) - (44 + 4^4)) + 4) \\
&:= (5 - 5/5) \times ((5 \times 555) - (((5 + 5)/5)^5)) \\
&:= (((6 + 6)/6)^6) - (6 + 6) \times ((6 \times 6 \times 6 - 6) + 6/6) \\
&:= 7 + (((7 + 7) \times (777 + 7)) - (77/7)) \\
&:= (8 \times 888) + (((88 \times 88) - 8)/(8 + 8)/8) \\
&:= 9/9 + ((9 \times (99 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10973 &:= 1 + (1 + ((11 - 1 - 1) \times ((11 \times 111) - (1 + 1)))) \\
&:= 22 + ((2 \times (((2 \times ((2 + 2 + 2)^2) + 2)^2)) - 2/2) \\
&:= ((3/3 + 3) \times ((33/3 + 3)^3)) - 3 \\
&:= 4 + (((4^4 - 4/4) \times (44 - 4/4)) + 4) \\
&:= 5^5 + ((5 \times 5^5) - (((5/5 + 5)^5) + 5/5)) \\
&:= 6 + (66666/6 - ((6 + 6) \times (6 + 6))) \\
&:= ((7 + 7) \times (777 + 7)) - ((7 + 7 + 7)/7) \\
&:= ((888/8) \times ((88/8) + 88)) - (8 + 8) \\
&:= ((9 + 9)/9) + ((9 \times (99 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10974 &:= (1 + 1) \times (((1 + 1) \times ((1 + 1 + 1 + 11)^{1+1+1})) - 1) \\
&:= 22 + (2 \times (((2 \times ((2 + 2 + 2)^2) + 2)^2)) \\
&:= 3 + ((33 \times 333) - (3 \times (3 + 3))) \\
&:= ((4 \times 44) + 4/4) \times ((4^4 - (4 + 4))/4) \\
&:= 5^5 + ((5 \times 5^5) - ((5/5 + 5)^5)) \\
&:= ((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) - 6 \\
&:= ((7 + 7) \times (777 + 7)) - ((7 + 7)/7) \\
&:= ((8 \times 8) - ((8 + 8)/8)) \times ((88 + 88) + 8/8) \\
&:= 9 + (((99/9) \times (999 - ((9 + 9 + 9)/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10975 &:= ((1 + 111) \times (111 - 1 - 1 - 11)) - 1 \\
&:= ((22 + 2/2) + 2) \times (((22 - 2/2)^2) - 2) \\
&:= (33 \times 333) - (33/3 + 3) \\
&:= ((4^4 - 4)/4) + (44 \times (4^4 - (4 + 4))) \\
&:= 5 \times ((5 \times ((5 + 5) \times 55)) - 555) \\
&:= 6/6 + (((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) - 6) \\
&:= ((7 + 7) \times (777 + 7)) - 7/7 \\
&:= (88888/8) - (8 \times (8 + 8) + 8) \\
&:= ((99 - 9/9) \times ((999 + 9)/9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10976 &:= (1 + 111) \times (111 - 1 - 1 - 11) \\
&:= 2 \times (2 \times ((2^{2+2} - 2)^{2/2+2})) \\
&:= (3/3 + 3) \times ((33/3 + 3)^3) \\
&:= 4 \times (((44 - 4)/4) + 4)^{4-4/4} \\
&:= 5^5 + (((5/5 + 5)^5) + (5 \times (5 + 5 + 5))) \\
&:= ((6 + 6)/6) + (((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) - 6) \\
&:= (7 + 7) \times (777 + 7) \\
&:= 8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) + 88) \\
&:= (99 - 9/9) \times ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10977 &:= (11 \times (((11 - 1)^{1+1+1}) - (1 + 1))) - 1 \\
&:= 2/2 + (2 \times (2 \times ((2^{2+2} - 2)^{2/2+2})) \\
&:= (33 \times 333) - (3 \times 3 + 3) \\
&:= (44 \times (4^4 - 4)) - (444/4) \\
&:= 5 + ((5 - 5/5) \times ((5 \times 555) - (((5 + 5)/5)^5))) \\
&:= ((666/6 - 6)^{(6+6)/6}) - (6 \times 6 + 6 + 6) \\
&:= 7/7 + ((7 + 7) \times (777 + 7)) \\
&:= 8 + (((88 - 8) \times (8 \times (8 + 8) + 8)) + 88) + 8/8 \\
&:= 99 + ((99 - 9/9) \times (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10978 &:= 11 \times (((11 - 1)^{1+1+1}) - (1 + 1)) \\
&:= 2 + (2 \times (2 \times ((2^{2+2} - 2)^{2/2+2})) \\
&:= (33 \times 333) - (33/3) \\
&:= ((4 - 444)/4) + (44 \times (4^4 - 4)) \\
&:= (55/5) \times (((5 - 5/5)^5) - ((5 \times 5) + 5/5)) \\
&:= ((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) - ((6 + 6)/6) \\
&:= ((7 + 7)/7) + ((7 + 7) \times (777 + 7)) \\
&:= (88/8) \times (((888 - 8)/8) + 888) \\
&:= (99/9) \times (999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10979 &:= 11111 - (11 \times (1 + 11)) \\
&:= (22222/2) - (22 \times (2 + 2 + 2)) \\
&:= 3 + ((3/3 + 3) \times ((33/3 + 3)^3)) \\
&:= 4 + ((44 \times (4^4 - (4 + 4))) + ((4^4 - 4)/4)) \\
&:= 5 + (((5 \times 5^5) - ((5/5 + 5)^5)) + 5^5) \\
&:= (66666/6) - (66 + 66) \\
&:= ((7 + 7 + 7)/7) + ((7 + 7) \times (777 + 7)) \\
&:= 8 + (((88/8) + 8) \times ((8 \times ((8 \times 8) + 8)) + 8/8)) + 8 \\
&:= (99 \times (999/9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10980 &:= (11 - 1 - 1) \times ((11 \times 111) - 1) \\
&:= 2 \times ((2 \times ((2^{2+2} - 2)^{2/2+2})) + 2) \\
&:= (33 \times 333) - (3 \times 3) \\
&:= (44 + 4/4) \times ((4^4 - 4 \times 4) + 4) \\
&:= (5 - 5/5) \times ((5 \times ((5 + 5) \times 55)) - 5) \\
&:= (6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6) \\
&:= (77/7) + (((7 + 7) \times (777 + 7)) - 7) \\
&:= (8/8 + 8) \times (((88 \times (888/8)) - 8)/8) \\
&:= (99 \times (999/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10981 &:= 1 + ((11 - 1 - 1) \times ((11 \times 111) - 1)) \\
&:= (((222/2) - (2 + 2 + 2))^2) - (2 \times 22) \\
&:= 3 + ((33 \times 333) - 33/3) \\
&:= 4 + ((44 \times (4^4 - 4)) - (444/4)) \\
&:= 5 \times 5 + (((5/5 + 5)^5) + 55) + 5^5 \\
&:= 6/6 + ((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) \\
&:= 7 + (((7 + 7) \times (777 + 7)) - ((7 + 7)/7)) \\
&:= ((888/8) \times ((88/8) + 88)) - 8 \\
&:= 9/9 + ((99 \times (999/9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10982 &:= 1 + (1 + ((11 - 1 - 1) \times ((11 \times 111) - 1))) \\
&:= (22 - (2/2 + 2)) \times (((22 + 2)^2) + 2) \\
&:= (33 \times 333) - (3/3 + 3 + 3) \\
&:= 4 + (((4 - 444)/4) + (44 \times (4^4 - 4))) \\
&:= 5 \times 5 + (((((5/5 + 5)^5) + 55) + 5^5) + 5/5) \\
&:= ((6 + 6)/6) + ((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) \\
&:= 7 + (((7 + 7) \times (777 + 7)) - 7/7) \\
&:= ((88/8) + 8) \times ((8 \times ((8 \times 8) + 8)) + ((8 + 8)/8)) \\
&:= ((9 + 9)/9) + ((99 \times (999/9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10983 &:= 1 + (1 + (1 + ((11 - 1 - 1) \times ((11 \times 111) - 1)))) \\
&:= (22222/2) - (2 \times (2^{2+2+2})) \\
&:= (33 \times 333) - (3 + 3) \\
&:= (44444/4) - (4 \times (4 \times (4 + 4))) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5) - ((5 \times 5) + 5/5))) \\
&:= ((666/6 - 6)^{(6+6)/6}) - (6 \times 6 + 6) \\
&:= 7 + ((7 + 7) \times (777 + 7)) \\
&:= (88888/8) - (8 \times (8 + 8)) \\
&:= ((9 + 9 + 9)/9) + ((99 \times (999/9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10984 &:= ((1 + 1 + 1 + 1 + 1) \times ((1 + 1 + 11)^{1+1+1})) - 1 \\
&:= 2 \times (2 \times (((2^{2+2} - 2)^{2/2+2}) + 2)) \\
&:= 3/3 + ((33 \times 333) - (3 + 3)) \\
&:= 4 + ((44 + 4/4) \times ((4^4 - 4 \times 4) + 4)) \\
&:= (55/5 \times (((5 - 5/5)^5) - (5 \times 5))) - 5 \\
&:= 6 + (((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) - ((6 + 6)/6)) \\
&:= 7 + (((7 + 7) \times (777 + 7)) + 7/7) \\
&:= (8 \times 8 \times 8) + (88 \times ((888/8) + 8)) \\
&:= ((9 - 99)/(9 + 9)) + (99 \times (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10985 &:= (1 + 1 + 1 + 1 + 1) \times ((1 + 1 + 11)^{1+1+1}) \\
&:= (2/2 + 2 + 2) \times (((22/2) + 2)^{2/2+2}) \\
&:= (33 \times 333) - (3/3 + 3) \\
&:= 4 + (((44 \times (4^4 - 4)) - (444/4)) + 4) \\
&:= 5 + ((5 - 5/5) \times ((5 \times ((5 + 5) \times 55)) - 5)) \\
&:= 6 + (66666/6 - (66 + 66)) \\
&:= 7 + (((7 + 7) \times (777 + 7)) + (7 + 7)/7) \\
&:= (8/8 + (8 \times 8)) \times (((88 - 8) + 88) + 8/8) \\
&:= 9 + ((99 - 9/9) \times ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10986 &:= (1 + 1 + 1) \times ((11 \times ((1 + 1 + 1) \times 111)) - 1) \\
&:= 2 + (2 \times (2 \times (((2^{2+2} - 2)^{2/2+2}) + 2))) \\
&:= (33 \times 333) - 3 \\
&:= 4^4 \times 44 - ((44/((4 + 4)/4)) + 4^4) \\
&:= (55555/5) - (5 \times 5 \times 5) \\
&:= 6 + ((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) \\
&:= ((77 - 7)/7) + ((7 + 7) \times (777 + 7)) \\
&:= 8 + ((88/8) \times (((888 - 8)/8) + 888)) \\
&:= (99 \times (999/9)) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10987 &:= (11 \times (111 \times (11 - 1 - 1))) - (1 + 1) \\
&:= ((222/2) \times (((22/2)^2) - 22)) - 2 \\
&:= 3/3 + ((33 \times 333) - 3) \\
&:= 4 + (((44444/4) - (4 \times (4 \times (4 + 4)))) \\
&:= 5/5 + ((55555/5) - (5 \times 5 \times 5)) \\
&:= 6 + (((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) + 6/6) \\
&:= (77/7) + ((7 + 7) \times (777 + 7)) \\
&:= ((888/8) \times ((88/8) + 88)) - ((8 + 8)/8) \\
&:= 9 + ((99/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10988 &:= (11 \times (111 \times (11 - 1 - 1))) - 1 \\
&:= 2 \times (2 \times (((2^{2+2} - 2)^{2/2+2}) + 2)) + 2 \\
&:= (33 \times 333) - 3/3 \\
&:= 4^4 \times 44 - (((4 \times 4) + 4^4) + 4) \\
&:= ((5 \times 5 - 5) \times 555) - ((555 + 5)/5) \\
&:= 6 + (((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) + ((6 + 6)/6)) \\
&:= ((77 + 7)/7) + ((7 + 7) \times (777 + 7)) \\
&:= ((888/8) \times ((88/8) + 88)) - 8/8 \\
&:= (99 \times (999/9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10989 &:= 11 \times (111 \times (11 - 1 - 1)) \\
&:= (222/2) \times (((22/2)^2) - 22) \\
&:= 33 \times 333 \\
&:= 444 + (((44/4)^4) - ((4 + 4)^4)) \\
&:= (55/5) \times (((5 - 5/5)^5) - (5 \times 5)) \\
&:= (666/6) \times ((666/6) - (6 + 6)) \\
&:= (777/7) + ((7 + 7) \times 777) \\
&:= (888/8) \times ((88/8) + 88) \\
&:= 99 \times (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 10990 &:= 11111 - (11^{1+1}) \\
&:= (22222/2) - ((22/2)^2) \\
&:= 3/3 + (33 \times 333) \\
&:= 4^4 \times 44 - (((4 + 4)/4 + 4^4) + 4 \times 4) \\
&:= (5 + 5) \times ((55 \times (5 \times 5 - 5)) - 5/5) \\
&:= ((66 - 6)/6) \times ((6666/6) - (6 + 6)) \\
&:= 7 + (((7 + 7) \times (777 + 7)) + 7) \\
&:= 8/8 + ((888/8) \times ((88/8) + 88)) \\
&:= 9/9 + (99 \times (999/9))
\end{aligned}$$

- **10991** := $1 + (11111 - (11^{1+1}))$
:= $2 + ((222/2) \times (((22/2)^2) - 22))$
:= $3 + ((33 \times 333) - 3/3)$
:= $4^4 \times 44 - (((4 \times 4) + 4^4) + 4/4)$
:= $5 + ((55555/5) - (5 \times 5 \times 5))$
:= $(66/6) + ((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6))$
:= $7 + (((7 + 7) \times (777 + 7)) + 7/7) + 7$
:= $8 + ((88888/8) - (8 \times (8 + 8)))$
:= $((9 + 9)/9) + (99 \times (999/9))$
- **10992** := $1 + (1 + (11111 - (11^{1+1})))$
:= $(22 + 2) \times (22^2 - (22 + 2 + 2))$
:= $3 + (33 \times 333)$
:= $4 \times ((4 \times (4 \times ((4 \times 44) - 4))) - 4)$
:= $(5 - 5/5) \times ((5 \times ((5 + 5) \times 55)) - ((5 + 5)/5))$
:= $6 + (((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) + 6)$
:= $7 + (((7 + 7) \times (777 + 7)) + ((7 + 7)/7)) + 7$
:= $(8 + 8) \times ((8 \times 88) - (8/8 + 8 + 8))$
:= $((9 + 9 + 9)/9) + (99 \times (999/9))$
- **10993** := $1 + (1 + (1 + (11111 - (11^{1+1}))))$
:= $((222/2 - 2)^2) - (2 \times 2 \times 222)$
:= $3 + ((33 \times 333) + 3/3)$
:= $4/4 + (4 \times ((4 \times (4 \times ((4 \times 44) - 4))) - 4))$
:= $((5 + 5) \times (55 \times (5 \times 5 - 5))) - (((5 + 5)/5) + 5)$
:= $6 + (((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6)) + 6/6) + 6$
:= $7 + (((7 + 7) \times (777 + 7)) + ((77 - 7)/7))$
:= $8/8 + ((8 + 8) \times ((8 \times 88) - (8/8 + 8 + 8)))$
:= $9 \times 9 + (9999/9 + (99 \times 99))$
- **10994** := $1 + (1 + (1 + (1 + (11111 - (11^{1+1}))))))$
:= $(2 \times 22 + 2) \times (((22^2 - 2)/2) - 2)$
:= $3 + (((33 \times 333) - 3/3) + 3)$
:= $((4 + 4)/4) + (4 \times ((4 \times (4 \times ((4 \times 44) - 4))) - 4))$
:= $5 + (55/5 \times (((5 - 5/5)^5) - (5 \times 5)))$
:= $(66666/6) - ((666/6) + 6)$
:= $7 + (((7 + 7) \times (777 + 7)) + (77/7))$
:= $88/8 + ((88888/8) - (8 \times (8 + 8)))$
:= $(99999/9) - (99 + 9 + 9)$
- **10995** := $(1 + 1 + 1) \times (1 + (1 + (11 \times ((1 + 1 + 1) \times 111))))$
:= $2 + (((222/2 - 2)^2) - (2 \times 2 \times 222))$
:= $3 + ((33 \times 333) + 3)$
:= $(44 \times (4^4 + 4)) - (444 + 4/4)$
:= $((5 + 5) \times (55 \times (5 \times 5 - 5))) - 5$
:= $6 + ((666/6) \times ((666/6) - (6 + 6)))$
:= $7 + (((7 + 7) \times (777 + 7)) + ((77 + 7)/7))$
:= $((8 + 8) \times ((8 \times 88) - (8 + 8))) - ((88 + 8 + 8)/8)$
:= $9 + ((99 \times (999/9)) - ((9 + 9 + 9)/9))$
- **10996** := $11111 - (1 + (1 + (1 + (1 + 111))))$
:= $2 \times (((2 \times ((2 + 2 + 2)^2)) + 2)^2) + 22$
:= $3 + (((33 \times 333) + 3/3) + 3)$
:= $(44 \times (4^4 + 4)) - 444$
:= $5/5 + (((5 + 5) \times (55 \times (5 \times 5 - 5))) - 5)$
:= $6 + (((66 - 6)/6) \times ((6666/6) - (6 + 6)))$
:= $7 + (((7 + 7) \times 777) + (777/7))$
:= $((8 + 8) \times ((8 \times 88) - (8 + 8))) - ((88 + 8)/8)$
:= $9 + (((99/9) \times (999 - 9/9)) + 9)$
- **10997** := $11111 - (1 + (1 + (1 + 111)))$
:= $(22 \times ((2^{2+2}) + 22^2)) - (2/2 + 2)$
:= $3 \times 3 + ((33 \times 333) - 3/3)$
:= $4^4 \times 44 - ((44/4) + 4^4)$
:= $((5 + 5)/5) + (((5 + 5) \times (55 \times (5 \times 5 - 5))) - 5)$
:= $(66666/6) - ((6 \times (6 + 6 + 6)) + 6)$
:= $7 + (((7 + 7) \times (777 + 7)) + 7) + 7$
:= $8 + ((888/8) \times ((88/8) + 88))$
:= $9 + ((99 \times (999/9)) - 9/9)$
- **10998** := $(11 - 1 - 1) \times (1 + (11 \times 111))$
:= $(22 \times ((2^{2+2}) + 22^2)) - 2$
:= $3 \times 3 + (33 \times 333)$
:= $((4 - 44)/4) + (4^4 \times (44 - 4/4))$
:= $((5 + 5) \times (55 \times (5 \times 5 - 5))) - ((5 + 5)/5)$
:= $(6 + 6 + 6) \times ((6 \times (6 \times 6 + 66)) - 6/6)$
:= $((7 - 7/7) + 7) \times (((77 \times 77) - 7)/7)$
:= $(8/8 + 8) \times (((88 \times (888/8)) + 8)/8)$
:= $9 + (99 \times (999/9))$
- **10999** := $11111 - (1 + 111)$
:= $(22 \times ((2^{2+2}) + 22^2)) - 2/2$
:= $3 \times 3 + ((33 \times 333) + 3/3)$
:= $4^4 \times 44 - (((4/4 + 4^4) + 4) + 4)$
:= $((5 + 5) \times (55 \times (5 \times 5 - 5))) - 5/5$
:= $((66/6) + 6) \times ((6 \times (6 \times (6 + 6 + 6))) - 6/6)$
:= $((7 + 7)/7)^7 + (((7 + 7) \times 777) - 7)$
:= $((8 + 8) \times ((8 \times 88) - (8 + 8))) - (8/8 + 8)$
:= $9 + ((99 \times (999/9)) + 9/9)$
- **11000** := $11 \times ((11 - 1)^{1+1+1})$
:= $22 \times ((2^{2+2}) + 22^2)$
:= $(33/3) + (33 \times 333)$
:= $44 \times (4^4 - (((4 + 4)/4) + 4))$
:= $(5 + 5) \times (55 \times (5 \times 5 - 5))$
:= $(66666/6) - (666/6)$
:= $(77777/7) - (777/7)$
:= $((8 + 8) \times ((8 \times 88) - (8 + 8))) - 8$
:= $(99/9) \times (999 + 9/9)$

- **11001** := $1 + (11 \times ((11 - 1)^{1+1+1}))$
:= $2/2 + (22 \times ((2^{2+2}) + 22^2))$
:= $3 + ((33 \times 333) + 3 \times 3)$
:= $4 + ((4^4 \times 44) - ((44/4) + 4^4))$
:= $5/5 + ((5 + 5) \times (55 \times (5 \times 5 - 5)))$
:= $((6 - 666)/6) + (66666/6)$
:= $7 + (((7 + 7) \times (777 + 7)) + (77/7) + 7)$
:= $8/8 + (((8 + 8) \times ((8 \times 88) - (8 + 8))) - 8)$
:= $9/9 + ((99/9) \times (999 + 9/9))$
- **11002** := $1 + (1 + (11 \times ((11 - 1)^{1+1+1})))$
:= $2 + (22 \times ((2^{2+2}) + 22^2))$
:= $3 + (((33 \times 333) + 3 \times 3) + 3/3)$
:= $4^4 \times 44 - (((4 + 4)/4 + 4^4) + 4)$
:= $((5 + 5)/5) + ((5 + 5) \times (55 \times (5 \times 5 - 5)))$
:= $((6 - 666) + 6)/6 + (66666/6)$
:= $7 + (((7 + 7) \times (777 + 7)) + ((77 + 7)/7) + 7)$
:= $((8 + 8)/8) + (((8 + 8) \times ((8 \times 88) - (8 + 8))) - 8)$
:= $((99/9) \times ((9 + 9)/9) + 999) - 9$
- **11003** := $1 + (1 + (1 + (11 \times ((11 - 1)^{1+1+1}))))$
:= $((222/2) - (2 + 2 + 2))^2 - 22$
:= $3 + ((33 \times 333) + (33/3))$
:= $4^4 \times 44 - ((4/4 + 4^4) + 4)$
:= $5 + (((5 + 5) \times (55 \times (5 \times 5 - 5))) - ((5 + 5)/5))$
:= $(66666/6) - (6 \times (6 + 6 + 6))$
:= $7 + (((7 + 7) \times 777) + (777/7) + 7)$
:= $88/8 + ((8 + 8) \times ((8 \times 88) - (8/8 + 8 + 8)))$
:= $(99999/9) - (99 + 9)$
- **11004** := $1 + (1 + (1 + (1 + (11 \times ((11 - 1)^{1+1+1}))))))$
:= $2 + (22 \times ((2^{2+2}) + 22^2)) + 2$
:= $3 + (((33 \times 333) + 3 \times 3) + 3)$
:= $4^4 \times 44 - (4^4 + 4)$
:= $5 + (((5 + 5) \times (55 \times (5 \times 5 - 5))) - 5/5)$
:= $((6 + 6)/6 + 6) \times ((66 \times (6 + 6)) - 6)$
:= $77 + (((7 + 7) \times 777) + (7 \times 7))$
:= $((8 + 8) \times ((8 \times 88) - (8 + 8))) - (8 \times 8/(8 + 8))$
:= $9/9 + ((99999/9) - (99 + 9))$
- **11005** := $1 + (1 + (1 + (1 + (1 + (11 \times ((11 - 1)^{1+1+1}))))))$
:= $2 + (((222/2) - (2 + 2 + 2))^2) - 22$
:= $3^3 + ((33 \times 333) - 33/3)$
:= $4/4 + ((4^4 \times 44) - (4^4 + 4))$
:= $5 + ((5 + 5) \times (55 \times (5 \times 5 - 5)))$
:= $((6 - 6/6)^6) + ((6/6 + 6) \times (6 - 666))$
:= $7 + (((7 - 7/7) + 7) \times (((77 \times 77) - 7)/7))$
:= $8 + (((888/8) \times ((88/8) + 88)) + 8)$
:= $((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9) - (99/9)$
- **11006** := $((11 - 1 - 1) \times (1 + (1 + (11 \times 111)))) - 1$
:= $((2^{2 \times (2+2)}) \times ((2 \times 22) - 2/2)) - 2$
:= $3 + (((33 \times 333) + (33/3)) + 3)$
:= $4^4 \times 44 - ((4 + 4)/4 + 4^4)$
:= $5 + (((5 + 5) \times (55 \times (5 \times 5 - 5))) + 5/5)$
:= $6 + (66666/6 - (666/6))$
:= $((7 + 7)/7)^7 + ((7 + 7) \times 777)$
:= $((8 + 8) \times ((8 \times 88) - (8 + 8))) - ((8 + 8)/8)$
:= $9 + (((99 \times (999/9)) - 9/9) + 9)$
- **11007** := $(11 - 1 - 1) \times (1 + (1 + (11 \times 111)))$
:= $((2^{2 \times (2+2)}) \times ((2 \times 22) - 2/2)) - 2/2$
:= $(3 \times (3 + 3)) + (33 \times 333)$
:= $4^4 \times 44 - (4/4 + 4^4)$
:= $5 + (((5 + 5) \times (55 \times (5 \times 5 - 5))) + ((5 + 5)/5))$
:= $((666/6 - 6)^{(6+6)/6}) - (6 + 6 + 6)$
:= $7 + ((77777/7) - (777/7))$
:= $((8 + 8) \times ((8 \times 88) - (8 + 8))) - 8/8$
:= $9 + ((99 \times (999/9)) + 9)$
- **11008** := $1 + ((11 - 1 - 1) \times (1 + (1 + (11 \times 111))))$
:= $(2^{2 \times (2+2)}) \times ((2 \times 22) - 2/2)$
:= $3/3 + ((33 \times 333) + (3 \times (3 + 3)))$
:= $4^4 \times (44 - 4/4)$
:= $(5 - 5/5) \times ((5 \times ((5 + 5) \times 55)) + ((5 + 5)/5))$
:= $((6 + 6)/6)^6 \times (((666 + 6)/6) - 6) + 66$
:= $((7 + 7)/7)^7 \times (((7 + 7)/7) + 77) + 7$
:= $(8 + 8) \times ((8 \times 88) - (8 + 8))$
:= $9 + ((99 \times (999/9)) + 9/9) + 9$
- **11009** := $(111 - (1 + 1)) \times (1 + ((11 - 1)^{1+1+1}))$
:= $2/2 + ((2^{2 \times (2+2)}) \times ((2 \times 22) - 2/2))$
:= $3 \times 3 + ((33 \times 333) + (33/3))$
:= $4/4 + (4^4 \times (44 - 4/4))$
:= $5 + (((5 + 5) \times (55 \times (5 \times 5 - 5))) - 5/5) + 5$
:= $(66666/6) - (6 \times 6 + 66)$
:= $7/7 + (((7 + 7)/7)^7) \times (((7 + 7)/7) + 77) + 7$
:= $8/8 + ((8 + 8) \times ((8 \times 88) - (8 + 8)))$
:= $9 + ((99/9) \times (999 + 9/9))$
- **11010** := $(11 - 1) \times (1 + (1111 - 11))$
:= $2 + ((2^{2 \times (2+2)}) \times ((2 \times 22) - 2/2))$
:= $3 + ((33 \times 333) + (3 \times (3 + 3)))$
:= $((4 + 4)/4) + (4^4 \times (44 - 4/4))$
:= $5 + (((5 + 5) \times (55 \times (5 \times 5 - 5))) + 5)$
:= $(6 \times ((6 + 6 + 6) \times (6 \times 6 + 66))) - 6$
:= $7777 + ((77 \times ((7 \times 7) - 7)) - 7/7)$
:= $((8 + 8)/8) + ((8 + 8) \times ((8 \times 88) - (8 + 8)))$
:= $(9/9 + 9) \times (((9999 - 9)/9) - 9)$

- **11011** := $11 \times (1 + ((11 - 1)^{1+1+1}))$
:= $(22/2) + (22 \times ((2^{2+2}) + 22^2))$
:= $33 + ((33 \times 333) - 33/3)$
:= $4 + ((4^4 \times 44) - (4/4 + 4^4))$
:= $55 + (((5/5 + 5)^5) + 55) + 5^5$
:= $6/6 + ((6 \times ((6 + 6 + 6) \times (6 \times 6 + 66))) - 6)$
:= $77 \times ((77 - (77/7)) + 77)$
:= $88/8 + (((8 + 8) \times ((8 \times 88) - (8 + 8))) - 8)$
:= $(99/9) \times (((9 + 9)/9) + 999)$
- **11012** := $1 + (11 \times (1 + ((11 - 1)^{1+1+1})))$
:= $2 + (((2^{2 \times (2+2)}) \times ((2 \times 22) - 2/2)) + 2)$
:= $(33333/3) - (3 \times 33)$
:= $4 + (4^4 \times (44 - 4/4))$
:= $5^5 + ((555/5) + ((5/5 + 5)^5))$
:= $6 + ((66666/6 - (666/6)) + 6)$
:= $7/7 + ((77 \times ((7 \times 7) - 7)) + 7777)$
:= $(8 \times 8/(8 + 8)) + ((8 + 8) \times ((8 \times 88) - (8 + 8)))$
:= $(99999/9) - 99$
- **11013** := $1 + (1 + (11 \times (1 + ((11 - 1)^{1+1+1}))))$
:= $2 + ((22 \times ((2^{2+2}) + 22^2)) + (22/2))$
:= $3^3 + ((33 \times 333) - 3)$
:= $4 + ((4^4 \times (44 - 4/4)) + 4/4)$
:= $5^5 + (((555 + 5)/5) + ((5/5 + 5)^5))$
:= $((666/6 - 6)^{(6+6)/6}) - (6 + 6)$
:= $(77777/7) - (7 \times (7 + 7))$
:= $8 + (((888/8) \times ((88/8) + 88)) + 8) + 8$
:= $9/9 + ((99999/9) - 99)$
- **11014** := $1 + (1 + (1 + (11 \times (1 + ((11 - 1)^{1+1+1}))))))$
:= $((2222/2) - (2 + 2 + 2))^2 - (22/2)$
:= $3^3 + (((33 \times 333) - 3) + 3/3)$
:= $4 + ((4^4 \times (44 - 4/4)) + ((4 + 4)/4))$
:= $5 \times 5 + (55/5 \times (((5 - 5/5)^5) - (5 \times 5)))$
:= $((666/6 - 6)^{(6+6)/6}) - (66/6)$
:= $((7 \times (7 + 7) + 7)^{(7+7)/7}) - (77/7)$
:= $8 + (((8 + 8) \times ((8 \times 88) - (8 + 8))) - ((8 + 8)/8))$
:= $((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9) - ((9 + 9)/9)$
- **11015** := $1 + (1 + (1 + (1 + (11 \times (1 + ((11 - 1)^{1+1+1}))))))$
:= $(22222/2) - (2 \times (2 \times (22 + 2)))$
:= $3^3 + ((33 \times 333) - 3/3)$
:= $4 + (((4^4 \times 44) - (4/4 + 4^4)) + 4)$
:= $5 + (((5 + 5) \times (55 \times (5 \times 5 - 5))) + 5) + 5$
:= $(6 \times ((6 + 6 + 6) \times (6 \times 6 + 66))) - 6/6$
:= $7 + (((7 + 7)/7)^7) \times (((7 + 7)/7) + 77) + 77$
:= $(88888/8) - (88 + 8)$
:= $((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9) - 9/9$
- **11016** := $(11 - 1 - 1) \times (1 + (1 + (1 + (11 \times 111))))$
:= $((2 \times (2^{2+2})) + 2) \times (((2^{2+2}) + 2)^2)$
:= $3^3 + (33 \times 333)$
:= $4 + ((4^4 \times (44 - 4/4)) + 4)$
:= $5 + (((5/5 + 5)^5) + 55) + 5^5$
:= $6 \times ((6 + 6 + 6) \times (6 \times 6 + 66))$
:= $((7 \times (7 + 7) + 7)^{(7+7)/7}) - ((7 + 7)/7 + 7)$
:= $8 + ((8 + 8) \times ((8 \times 88) - (8 + 8)))$
:= $((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9)$
- **11017** := $1 + ((11 - 1 - 1) \times (1 + (1 + (1 + (11 \times 111))))))$
:= $(22 + 2/2) \times (22^2 - (2/2 + 2 + 2))$
:= $3^3 + ((33 \times 333) + 3/3)$
:= $4 + (((4^4 \times (44 - 4/4)) + 4/4) + 4)$
:= $5 + (((555/5) + ((5/5 + 5)^5)) + 5^5)$
:= $6/6 + (6 \times ((6 + 6 + 6) \times (6 \times 6 + 66)))$
:= $((7 \times (7 + 7) + 7)^{(7+7)/7}) - (7/7 + 7)$
:= $8 + (((8 + 8) \times ((8 \times 88) - (8 + 8))) + 8/8)$
:= $9/9 + (((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9))$
- **11018** := $11 + ((11 - 1 - 1) \times (1 + (1 + (11 \times 111))))$
:= $2 + (((2 \times (2^{2+2})) + 2) \times (((2^{2+2}) + 2)^2))$
:= $3 + (((33 \times 333) - 3/3) + 3^3)$
:= $4^4 \times 44 + (((44 - 4)/4) - 4^4)$
:= $5 + (((555 + 5)/5) + ((5/5 + 5)^5)) + 5^5$
:= $((6 + 6)/6) + (6 \times ((6 + 6 + 6) \times (6 \times 6 + 66)))$
:= $((7 \times (7 + 7) + 7)^{(7+7)/7}) - 7$
:= $8 + (((8 + 8) \times ((8 \times 88) - (8 + 8))) + ((8 + 8)/8))$
:= $9 + (((99/9) \times (999 + 9/9)) + 9)$
- **11019** := $((11 - 1) \times (1 + 1 + 1111)) - 111$
:= $(22222/2) - (2 \times (2 \times 22 + 2))$
:= $3 + ((33 \times 333) + 3^3)$
:= $(44/4) + (4^4 \times (44 - 4/4))$
:= $((5 - 5/5)^5) + (((5 + 5)^{5-5/5}) - 5)$
:= $((666/6 - 6)^{(6+6)/6}) - 6$
:= $7/7 + (((7 \times (7 + 7) + 7)^{(7+7)/7}) - 7)$
:= $88/8 + ((8 + 8) \times ((8 \times 88) - (8 + 8)))$
:= $((999/9) \times (9/9 + 99)) - (9 \times 9)$
- **11020** := $(11 - 1) \times (1 + (1 + (1111 - 11)))$
:= $(22 - 2) \times (((22 + 2/2)^2) + 22)$
:= $3 + (((33 \times 333) + 3^3) + 3/3)$
:= $4 + (((4^4 \times (44 - 4/4)) + 4) + 4)$
:= $(5 - 5/5) \times ((5 \times ((5 + 5) \times 55)) + 5)$
:= $6/6 + (((666/6 - 6)^{(6+6)/6}) - 6)$
:= $7 + ((77777/7) - (7 \times (7 + 7)))$
:= $((88 + 8)/8) + ((8 + 8) \times ((8 \times 88) - (8 + 8)))$
:= $(9/9 + 9) \times (9999/9 - 9)$

$$\begin{aligned}
\blacktriangleright 11021 &:= (11 \times (1 + (1 + ((11 - 1)^{1+1+1})))) - 1 \\
&:= (((222/2) - (2 + 2 + 2))^2) - (2 + 2) \\
&:= 33 + ((33 \times 333) - 3/3) \\
&:= ((4 - 4^4)/4) + ((44 \times (4^4 - 4)) - 4) \\
&:= 5^5 + (((5/5 + 5)^5) - 5) + 5 \times 5 \times 5 \\
&:= (66 \times 66) + (6666 - 6/6) \\
&:= 7 + (((7 \times (7 + 7) + 7)^{(7+7)/7}) - (77/7)) \\
&:= ((888/8) - 8) \times (((88/8) + 88) + 8) \\
&:= 9 + ((99999/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11022 &:= 11 \times (1 + (1 + ((11 - 1)^{1+1+1}))) \\
&:= 22 + (22 \times ((2^{2+2}) + 22^2)) \\
&:= 33 + (33 \times 333) \\
&:= 4^4 \times 44 - ((44 \times 44)/(4 + 4)) \\
&:= 5 + (((555/5) + ((5/5 + 5)^5)) + 5^5) + 5 \\
&:= (66 \times 66) + 6666 \\
&:= 77 + (((7 + 7)/7)^{7+7}) - (7 \times 777) \\
&:= (88888/8) - (8/8 + 88) \\
&:= (99/9) \times ((999/9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11023 &:= 1 + (11 \times (1 + (1 + ((11 - 1)^{1+1+1})))) \\
&:= (((222/2) - (2 + 2 + 2))^2) - 2 \\
&:= 3/3 + ((33 \times 333) + 33) \\
&:= (44 \times (4^4 - 4)) - ((4^4 + 4)/4) \\
&:= ((5 - 5/5)^5) + (((5 + 5)^{5-5/5}) - 5/5) \\
&:= 6/6 + ((66 \times 66) + 6666) \\
&:= ((7 \times (7 + 7) + 7)^{(7+7)/7}) - ((7 + 7)/7) \\
&:= (88888/8) - 88 \\
&:= 9999 + (((9 + 9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11024 &:= ((111 - ((1 + 1) \times (1 + 1 + 1)))^{1+1}) - 1 \\
&:= (((222/2) - (2 + 2 + 2))^2) - 2/2 \\
&:= 3 + (((33 \times 333) - 3/3) + 33) \\
&:= 4 \times ((4 \times (4 \times ((4 \times 44) - 4))) + 4) \\
&:= ((5 - 5/5)^5) + ((5 + 5)^{5-5/5}) \\
&:= ((666/6 - 6)^{(6+6)/6}) - 6/6 \\
&:= ((7 \times (7 + 7) + 7)^{(7+7)/7}) - 7/7 \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - (8 + 8))) + 8) \\
&:= 9 + (((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11025 &:= (111 - ((1 + 1) \times (1 + 1 + 1)))^{1+1} \\
&:= ((222/2) - (2 + 2 + 2))^2 \\
&:= 3 + ((33 \times 333) + 33) \\
&:= ((4 - 4^4)/4) + (44 \times (4^4 - 4)) \\
&:= ((5 \times (5 \times 5 - 5)) + 5)^{(5+5)/5} \\
&:= (666/6 - 6)^{(6+6)/6} \\
&:= (7 \times (7 + 7) + 7)^{(7+7)/7} \\
&:= (((8/8 + 88) + 8) + 8)^{(8+8)/8} \\
&:= 9 + (((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11026 &:= 1 + ((111 - ((1 + 1) \times (1 + 1 + 1)))^{1+1}) \\
&:= 2/2 + (((222/2) - (2 + 2 + 2))^2) \\
&:= 3 + (((33 \times 333) + 33) + 3/3) \\
&:= (((4 - 4^4) + 4)/4) + (44 \times (4^4 - 4)) \\
&:= 5^5 + (((5/5 + 5)^5) + 5 \times 5 \times 5) \\
&:= 6/6 + ((666/6 - 6)^{(6+6)/6}) \\
&:= 7/7 + ((7 \times (7 + 7) + 7)^{(7+7)/7}) \\
&:= 8/8 + (((8/8 + 88) + 8) + 8)^{(8+8)/8} \\
&:= 9 + (((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11027 &:= 1 + (1 + (1 + ((111 - ((1 + 1) \times (1 + 1 + 1)))^{1+1}))) \\
&:= 2 + (((222/2) - (2 + 2 + 2))^2) \\
&:= 3^3 + ((33 \times 333) + (33/3)) \\
&:= 4 + ((44 \times (4^4 - 4)) - ((4^4 + 4)/4)) \\
&:= 5^5 + (((5/5 + 5)^5) + 5 \times 5 \times 5) + 5/5 \\
&:= 6 + ((6666 - 6/6) + (66 \times 66)) \\
&:= (77777/7) - (77 + 7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - (8 + 8))) + (88/8)) \\
&:= (99/9) + (((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11028 &:= 1 + (1 + (1 + (1 + ((111 - ((1 + 1) \times (1 + 1 + 1)))^{1+1})))) \\
&:= 2 + (((222/2) - (2 + 2 + 2))^2) + 2/2 \\
&:= 3 + (((33 \times 333) + 33) + 3) \\
&:= 4 + ((4^4 \times (44 - 4/4)) + 4 \times 4) \\
&:= 5 + (((5 + 5)^{5-5/5}) - 5/5) + ((5 - 5/5)^5) \\
&:= 6 + ((66 \times 66) + 6666) \\
&:= 7/7 + ((77777/7) - (77 + 7)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - (8 + 8))) + ((88 + 8)/8)) \\
&:= 9 + (((999/9) \times (9/9 + 99)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11029 &:= 11111 - (1 + ((11 - 1 - 1)^{1+1})) \\
&:= 2 + (((222/2) - (2 + 2 + 2))^2) + 2 \\
&:= 3 + (((33 \times 333) + 33) + 3/3) + 3 \\
&:= 4 + ((44 \times (4^4 - 4)) + ((4 - 4^4)/4)) \\
&:= 5 + (((5 + 5)^{5-5/5}) + ((5 - 5/5)^5)) \\
&:= 6 + ((66 \times 66) + 6666) + 6/6 \\
&:= (77/7) + (((7 \times (7 + 7) + 7)^{(7+7)/7}) - 7) \\
&:= 8 + (((888/8) - 8) \times (((88/8) + 88) + 8)) \\
&:= 9 + ((9/9 + 9) \times (9999/9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11030 &:= 11111 - ((11 - 1 - 1)^{1+1}) \\
&:= 22 + ((2^{2 \times (2+2)}) \times ((2 \times 22) - 2/2)) \\
&:= (33333/3) - (3 \times 3^3) \\
&:= (44444/4) - ((4 - 4/4)^4) \\
&:= 5 + (((5 \times (5 \times 5 - 5)) + 5)^{(5+5)/5}) \\
&:= 6 + (((666/6 - 6)^{(6+6)/6}) - 6/6) \\
&:= 7 + (((7 \times (7 + 7) + 7)^{(7+7)/7}) - ((7 + 7)/7)) \\
&:= (((8 + 8)/8) + 8) \times ((8888/8) - 8) \\
&:= (99999/9) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11031 &:= 1 + (11111 - ((11 - 1 - 1)^{1+1})) \\
&:= 2 + (((((222/2) - (2 + 2 + 2))^2) + 2) + 2) \\
&:= 3 \times 3 + ((33 \times 333) + 33) \\
&:= (44444/4) - (4 \times (4 \times 4 + 4)) \\
&:= 5 + (((5/5 + 5)^5) + 5 \times 5 \times 5) + 5^5 \\
&:= 6 + ((666/6 - 6)^{(6+6)/6}) \\
&:= 7 + (((7 \times (7 + 7) + 7)^{(7+7)/7}) - 7/7) \\
&:= 8 + ((88888/8) - 88) \\
&:= 9/9 + ((99999/9) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11032 &:= (11 \times (((1 + 1)^{11-1}) - 11)) - 111 \\
&:= (22^{2/2+2}) + ((2^{2+2}) \times (22 + 2)) \\
&:= 3 \times 3 + (((33 \times 333) + 33) + 3/3) \\
&:= 4 + (((4^4 \times (44 - 4/4)) + 4 \times 4) + 4) \\
&:= (((5 + 5)/5)^5) + ((5 + 5) \times (55 \times (5 \times 5 - 5))) \\
&:= 6 + (((666/6 - 6)^{(6+6)/6}) + 6/6) \\
&:= 7 + ((7 \times (7 + 7) + 7)^{(7+7)/7}) \\
&:= 88 + (((8 \times 8) + 8) \times ((8 \times 8) + 88)) \\
&:= 9 + (((9 + 9)/9)^{9/9+9}) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11033 &:= 11 \times (1 + (1 + (1 + ((11 - 1)^{1+1+1})))) \\
&:= (2 \times (2 + 2)) + (((222/2) - (2 + 2 + 2))^2) \\
&:= (33/3) \times (((3 \times 3) + 3/3)^3) + 3 \\
&:= (44/4) \times ((4 \times (4^4 - 4)) - (4/4 + 4)) \\
&:= ((55 + 5)/5 + 5) \times (((5^5 - 5)/5) + 5 \times 5) \\
&:= (66666/6) - ((66 + 6) + 6) \\
&:= 7 + (((7 \times (7 + 7) + 7)^{(7+7)/7}) + 7/7) \\
&:= 8 + (((8/8 + 88) + 8) + 8)^{(8+8)/8} \\
&:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9) - 9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11034 &:= 1 + (11 \times (1 + (1 + (1 + ((11 - 1)^{1+1+1})))))) \\
&:= ((22 - 2) \times ((22 + 2)^2)) - (22^2 + 2) \\
&:= 3 + (((33 \times 333) + 33) + 3 \times 3) \\
&:= 4 + ((44444/4) - ((4 - 4/4)^4)) \\
&:= 5 + (((5 + 5)^{5-5/5}) + ((5 - 5/5)^5) + 5) \\
&:= 6 + (((66 \times 66) + 6666) + 6) \\
&:= (77777/7) - 77 \\
&:= 88/8 + ((88888/8) - 88) \\
&:= 9 + (((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11035 &:= 1 + (1 + (11 \times (1 + (1 + (1 + ((11 - 1)^{1+1+1})))))) \\
&:= 2 + (((((222/2) - (2 + 2 + 2))^2) + (2 \times (2 + 2))) \\
&:= 3 + (((33 \times 333) + 33) + 3 \times 3) + 3/3 \\
&:= ((44 - 4^4)/4) + (44 \times (4^4 - 4)) \\
&:= 5 + (((5 \times (5 \times 5 - 5)) + 5)^{(5+5)/5}) + 5 \\
&:= 6 + (((66 \times 66) + 6666) + 6/6) + 6 \\
&:= 7/7 + ((77777/7) - 77) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - (8 + 8))) + (88/8) + 8) \\
&:= 9 + (((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9)) + 9/9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11036 &:= 11 + (((111 - ((1 + 1) \times (1 + 1 + 1)))^{1+1}) \\
&:= ((22 - 2) \times ((22 + 2)^2)) - 22^2 \\
&:= 3 + (((33/3) \times (((3 \times 3) + 3/3)^3) + 3) \\
&:= 4^4 + (44 \times (4^4 - 44/4)) \\
&:= (55555/5) - (5 \times (5 + 5 + 5)) \\
&:= (66/6) + ((666/6 - 6)^{(6+6)/6}) \\
&:= (77/7) + ((7 \times (7 + 7) + 7)^{(7+7)/7}) \\
&:= (8/8 + 88) \times ((8 \times (8 + 8)) - (8 \times 8/(8 + 8))) \\
&:= 9 + (((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9)) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11037 &:= 1 + (11 + (((111 - ((1 + 1) \times (1 + 1 + 1)))^{1+1})) \\
&:= 2/2 + (((22 - 2) \times ((22 + 2)^2)) - 22^2) \\
&:= (3 \times 3^3) + (33 \times (333 - 3/3)) \\
&:= 4 + ((44/4) \times ((4 \times (4^4 - 4)) - (4/4 + 4))) \\
&:= (5 - (5 + 5)/5) \times ((555 - 5/5) + 5^5) \\
&:= 6 + (((666/6 - 6)^{(6+6)/6}) + 6) \\
&:= ((77 + 7)/7) + ((7 \times (7 + 7) + 7)^{(7+7)/7}) \\
&:= ((8 + 8) \times ((8 \times 88) - 8)) - ((88/8) + 88) \\
&:= 9 + (((999/9) \times (9/9 + 99)) - (9 \times 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11038 &:= 11111 - (1 + (((1 + 11)^{1+1})/(1 + 1))) \\
&:= 222 + ((2 \times (2 \times (22 + 2 + 2)))^2) \\
&:= (33333/3) - (((3 + 3)^3) + 3)/3 \\
&:= 4^4 \times 44 - ((444/((4 + 4)/4)) + 4) \\
&:= 5 + (((55 + 5)/5 + 5) \times (((5^5 - 5)/5) + 5 \times 5)) \\
&:= (66666/6) - ((66 + 6/6) + 6) \\
&:= 7 + (((7 \times (7 + 7) + 7)^{(7+7)/7}) - 7/7) + 7 \\
&:= 8 + (((8 + 8)/8) + 8) \times ((8888/8) - 8) \\
&:= 9 + (((9/9 + 9) \times (9999/9 - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11039 &:= 11111 - (((1 + 11)^{1+1})/(1 + 1)) \\
&:= (22222/2) - (2 \times ((2 + 2 + 2)^2)) \\
&:= (3 \times (3 - 3^3)) + (33333/3) \\
&:= (44 \times (4^4 - 4)) - ((44 + 4/4) + 4) \\
&:= ((5 \times 5 - 5) \times 555) - ((55 + 5/5) + 5) \\
&:= (66666/6) - (66 + 6) \\
&:= 7 + (((7 \times (7 + 7) + 7)^{(7+7)/7}) + 7) \\
&:= (88888/8) - ((8 \times 8) + 8) \\
&:= 9 + ((99999/9) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11040 &:= 1 + (11111 - (((1 + 11)^{1+1})/(1 + 1))) \\
&:= (22 + 2) \times (22^2 - (22 + 2)) \\
&:= 3^3 + (((33 \times 333) - 3) + 3^3) \\
&:= (44 - 4) \times (((4 \times 4) + 4^4) + 4) \\
&:= (5 + 5 + 5) \times ((555 + 5^5)/5) \\
&:= 6666 + (6 \times ((6 \times 6/(6 + 6))^6)) \\
&:= ((77 - 7)/7) \times (7777/7 - 7) \\
&:= ((8 + 8) \times ((8 \times 88) - 8)) - (88 + 8) \\
&:= ((99/9) + (9 \times 9)) \times ((999/9) + 9)
\end{aligned}$$

- ▶ **11041** := $11 + (11111 - ((11 - 1 - 1)^{1+1}))$
:= $2/2 + ((22 + 2) \times (22^2 - (22 + 2)))$
:= $3 + ((33333/3) - (((3 + 3)^3) + 3)/3)$
:= $4/4 + ((44 - 4) \times (((4 \times 4) + 4^4) + 4))$
:= $5 + ((55555/5) - (5 \times (5 + 5 + 5)))$
:= $(66 - 6 + 6/6) \times ((6 \times (6 \times 6 - 6)) + 6/6)$
:= $7 + ((77777/7) - 77)$
:= $((8/8 - 88) \times (8/8 - (8 \times (8 + 8)))) - 8$
:= $(99/9) + ((99999/9) - (9 \times 9))$
- ▶ **11042** := $(11 \times ((1 + 1)^{11-1})) - ((1 + 1) \times 111)$
:= $2 + ((22 + 2) \times (22^2 - (22 + 2)))$
:= $3 + ((33333/3) + (3 \times (3 - 3^3)))$
:= $4^4 \times 44 - (444/((4 + 4)/4))$
:= $5 + ((5 - (5 + 5)/5) \times ((555 - 5/5) + 5^5))$
:= $6 + (((666/6 - 6)^{(6+6)/6}) + (66/6))$
:= $7 + (((77777/7) - 77) + 7/7)$
:= $((8 + 8)/8) \times ((8 \times (8 \times 88)) - (888/8))$
:= $9 + (((9 - 9/9) + 9) \times ((9 \times ((9 \times 9) - 9)) + 9/9))$
- ▶ **11043** := $1 + ((11 \times ((1 + 1)^{11-1})) - ((1 + 1) \times 111))$
:= $(22 \times (((2^2+2) + 22^2) + 2)) - 2/2$
:= $3^3 + ((33 \times 333) + 3^3)$
:= $(44 \times (4^4 - 4)) - (44 + 4/4)$
:= $(5 - (5 + 5)/5) \times ((555 + 5^5) + 5/5)$
:= $6 + (((666/6 - 6)^{(6+6)/6}) + 6) + 6$
:= $7 + (((7 \times (7 + 7) + 7)^{(7+7)/7}) + (77/7))$
:= $(8/8 + 8) \times ((8 \times ((8 \times 8) + 88)) + (88/8))$
:= $9 + (((((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9)) + 9) + 9)$
- ▶ **11044** := $11 \times (1 + (1 + (1 + (1 + ((11 - 1)^{1+1+1}))))))$
:= $22 \times (((2^2+2) + 22^2) + 2)$
:= $3^3 + (((33 \times 333) + 3^3) + 3/3)$
:= $44 \times (4^4 - (4/4 + 4))$
:= $(55/5) \times (((5 - 5/5)^5) - (5 \times 5) + 5)$
:= $(66666/6) - (66 + 6/6)$
:= $((7 + 7 + 7) \times ((7 \times 77) - 7)) - (((7 + 7)/7)^7)$
:= $8 + ((8/8 + 88) \times ((8 \times (8 + 8)) - (8 \times 8/(8 + 8))))$
:= $(99/9) \times (((9 \times 9 + 9)/(9 + 9)) + 999)$
- ▶ **11045** := $11111 - ((1 + 1) \times (11 \times (1 + 1 + 1)))$
:= $22 + (((222/2) - (2 + 2 + 2))^2) - 2$
:= $(33333/3) - (33 + 33)$
:= $4/4 + (44 \times (4^4 - (4/4 + 4)))$
:= $((5 \times 5 - 5) \times 555) - 55$
:= $(66666/6) - 66$
:= $77 + (((7 + 7) \times (777 + 7)) - (7/7 + 7))$
:= $(88888/8) - (((8 + 8)/8) + (8 \times 8))$
:= $9 + (((((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9)) + (99/9)) + 9)$
- ▶ **11046** := $1 + (11111 - ((1 + 1) \times (11 \times (1 + 1 + 1))))$
:= $2 + (22 \times (((2^2+2) + 22^2) + 2))$
:= $3 + (((33 \times 333) + 3^3) + 3^3)$
:= $((4 + 4)/4) + (44 \times (4^4 - (4/4 + 4)))$
:= $5/5 + (((5 \times 5 - 5) \times 555) - 55)$
:= $66 + ((6 - 6 \times 6) \times ((6 \times (6 - 66)) - 6))$
:= $77 + (((7 + 7) \times (777 + 7)) - 7)$
:= $(88888/8) - (8/8 + (8 \times 8))$
:= $(999/9) + (9 \times (((9 + 9) \times (9 + 9)) + (9 \times 99)))$
- ▶ **11047** := $11111 - ((1 + 1)^{(1+1) \times (1+1+1)})$
:= $22 + (((222/2) - (2 + 2 + 2))^2)$
:= $(33333/3) - ((3/3 + 3)^3)$
:= $(44444/4) - (4 \times (4 \times 4))$
:= $((5 + 5)/5) + (((5 \times 5 - 5) \times 555) - 55)$
:= $(66666/6) - (((6 + 6)/6)^6)$
:= $7 + (((77 - 7)/7) \times (7777/7 - 7))$
:= $(88888/8) - (8 \times 8)$
:= $9 + (((9/9 + 9) \times (9999/9 - 9)) + 9) + 9$
- ▶ **11048** := $1 + (11111 - ((1 + 1)^{(1+1) \times (1+1+1)}))$
:= $((22 - 2)^2) + (22^{2/2+2})$
:= $3 + ((33333/3) - (33 + 33))$
:= $4 + (44 \times (4^4 - (4/4 + 4)))$
:= $((5 + 5) \times ((55 \times (5 \times 5 - 5)) + 5)) - ((5 + 5)/5)$
:= $6/6 + (66666/6 - (((6 + 6)/6)^6))$
:= $7 + (((77777/7) - 77) + 7)$
:= $((8 + 8) \times ((8 \times 88) - 8)) - 88$
:= $9 + (((99999/9) - (9 \times 9)) + 9)$
- ▶ **11049** := $11111 - (1 + ((1 + (11^{1+1}))/ (1 + 1)))$
:= $2 + (((222/2) - (2 + 2 + 2))^2) + 22$
:= $3^3 + ((33 \times 333) + 33)$
:= $4 + ((44 \times (4^4 - (4/4 + 4))) + 4/4)$
:= $((5 + 5) \times ((55 \times (5 \times 5 - 5)) + 5)) - 5/5$
:= $6 + (((666/6 - 6)^{(6+6)/6}) + 6) + 6 + 6$
:= $7 + (((77777/7) - 77) + 7/7) + 7$
:= $(8/8 - 88) \times (8/8 - (8 \times (8 + 8)))$
:= $9 + (((99/9) + (9 \times 9)) \times ((999/9) + 9))$
- ▶ **11050** := $(11 - 1) \times (1111 - ((1 + 1) \times (1 + 1 + 1)))$
:= $2 + ((22^{2/2+2}) + ((22 - 2)^2))$
:= $((3/3 + 3)^3) + ((33 \times 333) - 3)$
:= $((4/4 + 4^4) \times (44 - 4/4)) - 4/4$
:= $(5 + 5) \times ((55 \times (5 \times 5 - 5)) + 5)$
:= $((66 - 6)/6) \times (6666/6 - 6)$
:= $((77 - 7)/7) \times (((7777 + 7)/7) - 7)$
:= $8/8 + ((8/8 - 88) \times (8/8 - (8 \times (8 + 8))))$
:= $9 \times 9 + (((99/9) \times (999 - 9/9)) - 9)$

$$\begin{aligned}
\blacktriangleright 11051 &:= 11111 - (((11^{1+1}) - 1)/(1+1)) \\
&:= ((2 \times 22) - 2/2) \times ((2^{2 \times (2+2)}) + 2/2) \\
&:= (33333/3) - (3^3 + 33) \\
&:= (4/4 + 4^4) \times (44 - 4/4) \\
&:= (55555/5) - (55 + 5) \\
&:= 6 + (66666/6 - 66) \\
&:= 77 + (((7+7) \times (777+7)) - ((7+7)/7)) \\
&:= 8 + ((8/8+8) \times ((8 \times (8 \times 8) + 88)) + (88/8)) \\
&:= 9999 + ((9 \times (99+9+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11052 &:= 1 + (11111 - (((11^{1+1}) - 1)/(1+1))) \\
&:= 2 + (((22^{2/2+2}) + ((22-2)^2)) + 2) \\
&:= (33 \times (333+3)) - (33+3) \\
&:= 44 + (4^4 \times (44 - 4/4)) \\
&:= 5/5 + ((55555/5) - (55+5)) \\
&:= 6 \times (((6+6+6) \times (6 \times 6 + 66)) + 6) \\
&:= 77 + (((7+7) \times (777+7)) - 7/7) \\
&:= (8/8+8) \times (((88 \times (888/8)) - 8)/8) + 8) \\
&:= 9999 + (9 \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11053 &:= 11111 - (1 + (1 + ((1+111)/(1+1)))) \\
&:= 2 + (((2 \times 22) - 2/2) \times ((2^{2 \times (2+2)}) + 2/2)) \\
&:= ((3/3+3)^3) + (33 \times 333) \\
&:= 44 + ((4^4 \times (44 - 4/4)) + 4/4) \\
&:= (((5+5)/5) + 5) \times (((5-5/5)^5) + 555) \\
&:= 6 + (66666/6 - (((6+6)/6)^6)) \\
&:= 77 + ((7+7) \times (777+7)) \\
&:= 8 \times 8 + ((888/8) \times ((88/8) + 88)) \\
&:= 9/9 + ((9 \times (99+9+9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11054 &:= 11111 - (1 + ((1+111)/(1+1))) \\
&:= 2 + (((22^{2/2+2}) + ((22-2)^2)) + 2) + 2) \\
&:= (33 \times (333+3)) - (3/3+33) \\
&:= 4 + (((4/4+4^4) \times (44 - 4/4)) - 4/4) \\
&:= 5 + (((5+5) \times ((55 \times (5 \times 5 - 5)) + 5)) - 5/5) \\
&:= ((6+6)/6) + (6 \times (((6+6+6) \times (6 \times 6 + 66)) + 6)) \\
&:= 7/7 + (((7+7) \times (777+7)) + 77) \\
&:= 8 + ((88888/8) - (8/8 + (8 \times 8))) \\
&:= ((9+9)/9) + ((9 \times (99+9+9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11055 &:= 11111 - ((1+111)/(1+1)) \\
&:= (2/2+2+2) \times (2222 - (22/2)) \\
&:= 33 \times ((333-3/3)+3) \\
&:= 4 + ((4/4+4^4) \times (44 - 4/4)) \\
&:= 5 + ((5+5) \times ((55 \times (5 \times 5 - 5)) + 5)) \\
&:= 6 \times 6 + (((666/6-6)^{(6+6)/6}) - 6) \\
&:= (77777/7) - (7 \times 7 + 7) \\
&:= 8 + ((88888/8) - (8 \times 8)) \\
&:= (99/9) \times ((999 - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11056 &:= 11111 - ((111-1)/(1+1)) \\
&:= 2 \times ((222 \times ((22+2/2)+2)) - 22) \\
&:= 3 + ((33 \times 333) + ((3/3+3)^3)) \\
&:= (44 \times (4^4 - 4)) - (4 \times (4+4)) \\
&:= (55555/5) - 55 \\
&:= 6 + (((66-6)/6) \times (6666/6 - 6)) \\
&:= 7/7 + ((77777/7) - (7 \times 7 + 7)) \\
&:= 8 + (((8+8) \times ((8 \times 88) - 8)) - 88) \\
&:= (99 \times (99+9)) + (((9 \times (9 \times (9 \times 9))) - 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11057 &:= 1 + (11111 - ((111-1)/(1+1))) \\
&:= 2 + ((2/2+2+2) \times (2222 - (22/2))) \\
&:= (33333/3) - (3^3 + 3^3) \\
&:= 4/4 + ((44 \times (4^4 - 4)) - 4 \times (4+4)) \\
&:= 5/5 + ((55555/5) - 55) \\
&:= 6 + ((66666/6 - 66) + 6) \\
&:= 7 + (((77-7)/7) \times (((7777+7)/7) - 7)) \\
&:= 8 + ((8/8 - 88) \times (8/8 - (8 \times (8+8)))) \\
&:= 9 + (((99999/9) - (9 \times 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11058 &:= 1 + (1 + (11111 - ((111-1)/(1+1)))) \\
&:= 2222 + (((2 \times (2 \times 22 + 2)) + 2)^2) \\
&:= 3 + (33 \times ((333 - 3/3) + 3)) \\
&:= ((4+4)/4) + ((44 \times (4^4 - 4)) - 4 \times (4+4)) \\
&:= ((5+5)/5) + ((55555/5) - 55) \\
&:= 6 + (6 \times (((6+6+6) \times (6 \times 6 + 66)) + 6)) \\
&:= ((7 \times (7+7)) - 7/7) \times (((7+7)/7)^7) - (7+7)) \\
&:= 88/8 + ((88888/8) - (8 \times 8)) \\
&:= 9 + (((99/9) + (9 \times 9)) \times ((999/9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11059 &:= 11111 - ((1+1) \times ((1+1) \times (1+1+11))) \\
&:= (22222/2) - (2 \times (22+2+2)) \\
&:= 3 + (((33 \times 333) + ((3/3+3)^3)) + 3) \\
&:= 4 + (((4/4+4^4) \times (44 - 4/4)) + 4) \\
&:= ((5+5) \times ((5555/5) - 5)) - 5/5 \\
&:= 6 + ((66666/6 - (((6+6)/6)^6)) + 6) \\
&:= 7 + (((7+7) \times (777+7)) - 7/7 + 77) \\
&:= 88/8 + (((8+8) \times ((8 \times 88) - 8)) - 88) \\
&:= 9 \times 9 + ((99/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11060 &:= (11-1) \times (1111 - (1+1+1+1+1)) \\
&:= (2-22) \times (((2-2222)/(2+2)) + 2) \\
&:= 33 \times 333 + (((3+3)^3) - 3)/3) \\
&:= 4 + ((44 \times (4^4 - 4)) - 4 \times (4+4)) \\
&:= (5+5) \times ((5555/5) - 5) \\
&:= ((66-6)/6) \times (((6666+6)/6) - 6) \\
&:= 7 + (((7+7) \times (777+7)) + 77) \\
&:= 88/8 + ((8/8 - 88) \times (8/8 - (8 \times (8+8)))) \\
&:= 9 \times 9 + ((99 \times (999/9)) - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11061 &:= 11111 - (((11-1)^{1+1})/(1+1)) \\
&:= (22222/2) - ((2 \times (22+2)) + 2) \\
&:= (33 \times (333+3)) - 3^3 \\
&:= (44 \times (4^4-4)) - (44/4 + 4 \times 4) \\
&:= 5 + ((55555/5) - 55) \\
&:= 6 \times 6 + ((666/6-6)^{(6+6)/6}) \\
&:= (77777/7) - (7/7 + (7 \times 7)) \\
&:= (8/8+8) \times (((88/8) \times (888/8)) + 8) \\
&:= 9 \times 9 + ((99 \times (999/9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11066 &:= 11 \times (((11-1-1) \times (1+111)) - (1+1)) \\
&:= 22 \times ((22^2 - (2/2+2)) + 22) \\
&:= (33/3) \times (((((3 \times 3) + 3/3)^3) + 3) + 3) \\
&:= (44/4) \times ((4 \times (4^4-4)) - ((4+4)/4)) \\
&:= 5 + (((55555/5) - 55) + 5) \\
&:= 6 + (((66-6)/6) \times (((6666+6)/6) - 6)) \\
&:= ((7+7) \times ((777+7)+7)) - (7/7+7) \\
&:= ((88+88)/8) \times ((8 \times 8 \times 8) - (8/8+8)) \\
&:= (99/9) \times ((999 - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11062 &:= 1 + (11111 - (((11-1)^{1+1})/(1+1))) \\
&:= 22 + ((22+2) \times (22^2 - (22+2))) \\
&:= 3/3 + ((33 \times (333+3)) - 3^3) \\
&:= (44/4) + ((4/4+4^4) \times (44-4/4)) \\
&:= 5 + (((55555/5) - 55) + 5/5) \\
&:= 6 + (((66-6)/6) \times (6666/6-6) + 6) \\
&:= (77777/7) - (7 \times 7) \\
&:= 8 + (((88888/8) - (8/8 + (8 \times 8))) + 8) \\
&:= 9/9 + (((99 \times (999/9)) - 9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11067 &:= 11111 - ((1+1) \times (11+11)) \\
&:= (22222/2) - (2 \times 22) \\
&:= (3 \times 3^3) + ((33 \times 333) - 3) \\
&:= (44444/4) - 44 \\
&:= (55/5) + ((55555/5) - 55) \\
&:= 6 + (((666/6-6)^{(6+6)/6}) + (6 \times 6)) \\
&:= ((7+7) \times ((777+7)+7)) - 7 \\
&:= (8/8+8+8) \times ((8 \times (88-8)) + (88/8)) \\
&:= 9/9 + ((99/9) \times ((999 - ((9+9)/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11063 &:= 11111 - ((1+1) \times ((1+1) \times (1+11))) \\
&:= (22+2/2) \times (22^2 - (2/2+2)) \\
&:= 3 + ((33 \times 333) + (((3+3)^3) - 3)/3) \\
&:= (44444/4) - (44+4) \\
&:= (((5+5)/5)^5 + 5) \times ((5 \times (55+5)) - 5/5) \\
&:= (66666/6) - (6 \times 6 + 6 + 6) \\
&:= 7/7 + ((77777/7) - (7 \times 7)) \\
&:= 8 + (((88888/8) - (8 \times 8)) + 8) \\
&:= 9 \times 9 + (((99 \times (999/9)) - 9) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11068 &:= 1 + (11111 - ((1+1) \times (11+11))) \\
&:= 2 + (22 \times ((22^2 - (2/2+2)) + 22)) \\
&:= 3/3 + (((33 \times 333) - 3) + (3 \times 3^3)) \\
&:= (44 \times (4^4-4)) - (4 \times 4 + 4) \\
&:= ((5 \times 5 - 5) \times 555) - (((5+5)/5)^5) \\
&:= (66666/6) - (((6 \times 6) + 6/6) + 6) \\
&:= 7/7 + (((7+7) \times ((777+7)+7)) - 7) \\
&:= ((8+8) \times ((8 \times 88) - 8)) - ((8 \times 8/(8+8)) + (8 \times 8)) \\
&:= ((99/9) \times ((999 - 9/9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11064 &:= 1 + (11111 - ((1+1) \times ((1+1) \times (1+11)))) \\
&:= (22+2) \times (22^2 - (22+2/2)) \\
&:= 3 + ((33 \times (333+3)) - 3^3) \\
&:= (44 \times (4^4-4)) - ((4 \times 4 + 4) + 4) \\
&:= 5 + (((5+5) \times ((5555/5) - 5)) - 5/5) \\
&:= (6 - ((6+6)/6)) \times ((66 \times (6 \times 6 + 6)) - 6) \\
&:= 77 + (((7+7) \times (777+7)) + (77/7)) \\
&:= ((8+8) \times ((8 \times 88) - 8)) - ((8 \times 8) + 8) \\
&:= 9 + ((99/9) \times ((999 - ((9+9+9)/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11069 &:= 11111 - ((1+1) \times (11 + (11-1))) \\
&:= 2 + ((22222/2) - (2 \times 22)) \\
&:= (3 \times 3^3) + ((33 \times 333) - 3/3) \\
&:= 4/4 + ((44 \times (4^4-4)) - (4 \times 4 + 4)) \\
&:= ((5 \times 5 - 5) \times 555) - (((5 \times 5) + 5/5) + 5) \\
&:= (66666/6) - (6 \times 6 + 6) \\
&:= 7 + ((77777/7) - (7 \times 7)) \\
&:= 8 + ((8/8+8) \times (((88/8) \times (888/8)) + 8)) \\
&:= 9 \times 9 + ((99 \times (999/9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11065 &:= 11111 - ((1+1) \times (1+11+11)) \\
&:= (22222/2) - (2 \times 22+2) \\
&:= 3 + (((33 \times (333+3)) - 3^3) + 3/3) \\
&:= 4 + ((44 \times (4^4-4)) - (44/4 + 4 \times 4)) \\
&:= 5 + ((5+5) \times ((5555/5) - 5)) \\
&:= 6/6 + (((6 - ((6+6)/6)) \times ((66 \times (6 \times 6 + 6)) - 6)) \\
&:= ((7+7) \times ((777+7)+7)) - ((7+7)/7+7) \\
&:= 8 + (((8/8-88) \times (8/8 - (8 \times (8+8)))) + 8) \\
&:= ((99-9/9) \times (((999+9)+9)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11070 &:= (11-1) \times (1111 - (1+1+1+1)) \\
&:= (2 \times 2 \times 22+2) \times (((22/2)^2) + 2) \\
&:= (3 \times 3^3) + (33 \times 333) \\
&:= ((44-4)/4) \times ((4444/4) - 4) \\
&:= (5+5) \times (((5555+5)/5) - 5) \\
&:= 666 + (((6 \times 6 + 66)^{(6+6)/6}) \\
&:= 7 + (((77777/7) - (7 \times 7)) + 7/7) \\
&:= ((8+8) \times ((8 \times 88) - 8)) - (((8+8)/8) + (8 \times 8)) \\
&:= 9 \times 9 + (99 \times (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11071 &:= 1 + ((11 - 1) \times (1111 - (1 + 1 + 1 + 1))) \\
&:= (2 \times (2 - 22)) + (22222/2) \\
&:= 3/3 + ((33 \times 333) + (3 \times 3^3)) \\
&:= 4 + ((44444/4) - 44) \\
&:= ((5/5 + 5)^5) + ((55 \times (55 + 5)) - 5) \\
&:= 6/6 + (((6 \times 6 + 66)^{(6+6)/6}) + 666) \\
&:= ((7 + 7) \times ((777 + 7) + 7)) - ((7 + 7 + 7)/7) \\
&:= ((8 + 8) \times ((8 \times 88) - 8)) - (8/8 + (8 \times 8)) \\
&:= 9/9 + ((99 \times (999/9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11072 &:= 11111 - ((1 + 1 + 1) \times (1 + 1 + 11)) \\
&:= 2 + ((2 \times 2 \times 22 + 2) \times ((22/2)^2) + 2) \\
&:= (33 - 3/3) \times (((3/3 + 3 + 3)^3) + 3) \\
&:= (44 \times (4^4 - 4)) - (4 \times 4) \\
&:= (5 - 5/5) \times ((5 \times 555) - (((5 + 5)/5) + 5)) \\
&:= (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) - (6/6 + 6)) \\
&:= ((7 + 7) \times ((777 + 7) + 7)) - ((7 + 7)/7) \\
&:= 8 \times ((88 \times (8 + 8)) - (8 + 8 + 8)) \\
&:= 9 \times 9 + ((99 \times (999/9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11073 &:= 11111 - (1 + (111/(1 + 1 + 1))) \\
&:= 2 + ((22222/2) + (2 \times (2 - 22))) \\
&:= 3 + ((33 \times 333) + (3 \times 3^3)) \\
&:= 4/4 + ((44 \times (4^4 - 4)) - 4 \times 4) \\
&:= 5 + (((5 \times 5 - 5) \times 555) - (((5 + 5)/5)^5)) \\
&:= (66666/6) - (((6 + 6)/6) + (6 \times 6)) \\
&:= ((7 + 7) \times ((777 + 7) + 7)) - 7/7 \\
&:= 8/8 + (8 \times ((88 \times (8 + 8)) - (8 + 8 + 8))) \\
&:= ((999/9) \times (9/9 + 99)) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11074 &:= 11111 - (111/(1 + 1 + 1)) \\
&:= ((222/2) + 2) \times ((2 \times (2 \times (22 + 2))) + 2) \\
&:= (33 \times (333 + 3)) - (33/3 + 3) \\
&:= ((4 + 4)/4) + ((44 \times (4^4 - 4)) - 4 \times 4) \\
&:= ((5 \times 5 - 5) \times 555) - ((5 \times 5) + 5/5) \\
&:= (66666/6) - ((6 \times 6) + 6/6) \\
&:= (7 + 7) \times ((777 + 7) + 7) \\
&:= ((8 + 8)/8) + (8 \times ((88 \times (8 + 8)) - (8 + 8 + 8))) \\
&:= (99 - 9/9) \times (((999 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11075 &:= 11111 - ((1 + 1 + 1) \times (1 + 11)) \\
&:= (22222/2) - ((2 + 2 + 2)^2) \\
&:= (33333/3) - (33 + 3) \\
&:= 4 + (((44444/4) - 44) + 4) \\
&:= 5 \times (((5 - 5/5) \times 555) - 5) \\
&:= (66666/6) - (6 \times 6) \\
&:= 7/7 + ((7 + 7) \times ((777 + 7) + 7)) \\
&:= 8888 + (((88/8) - 8)^{8-8/8}) \\
&:= (99999/9) - ((9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11076 &:= ((111 - 1)^{1+1}) - ((1 + 1)^{11-1}) \\
&:= (2 + 2 + 2) \times ((2 \times (2 \times (22^2 - 22))) - 2) \\
&:= (33 \times (333 + 3)) - (3 \times 3 + 3) \\
&:= 4 + ((44 \times (4^4 - 4)) - 4 \times 4) \\
&:= ((5/5 + 5)^5) + (55 \times (55 + 5)) \\
&:= 6/6 + (66666/6 - (6 \times 6)) \\
&:= 7 + (((77777/7) - (7 \times 7)) + 7) \\
&:= (8 \times 8/(8 + 8)) + (8 \times ((88 \times (8 + 8)) - (8 + 8 + 8))) \\
&:= (99 \times ((999 + 9)/9)) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11077 &:= 11 \times (((11 - 1 - 1) \times (1 + 111)) - 1) \\
&:= 2 + ((22222/2) - ((2 + 2 + 2)^2)) \\
&:= (33 \times (333 + 3)) - (33/3) \\
&:= (44 \times (4^4 - 4)) - (44/4) \\
&:= 5/5 + ((55 \times (55 + 5)) + ((5/5 + 5)^5)) \\
&:= ((6 + 6)/6) + (66666/6 - (6 \times 6)) \\
&:= 77/7 \times (((77 + 7)^{(7+7)/7}) - 7)/7 \\
&:= 88 + ((888/8) \times ((88/8) + 88)) \\
&:= (99/9) \times ((999 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11078 &:= 11111 - (11 \times (1 + 1 + 1)) \\
&:= (222 \times ((2 \times (22 + 2)) + 2)) - 22 \\
&:= (33333/3) - 33 \\
&:= ((4 - 44)/4) + (44 \times (4^4 - 4)) \\
&:= ((5 + 5)/5) \times (5555 - (55/5 + 5)) \\
&:= (66666/6) - (66 \times 6/(6 + 6)) \\
&:= (77/7) + (((7 + 7) \times ((777 + 7) + 7)) - 7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) - (((8 + 8)/8) + (8 \times 8))) \\
&:= (99 \times ((999 + 9)/9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11079 &:= 1 + (11111 - (11 \times (1 + 1 + 1))) \\
&:= (22222/2) - (2 \times (2^{2+2})) \\
&:= (33 \times (333 + 3)) - (3 \times 3) \\
&:= (44 \times (4^4 - 4)) - ((4/4 + 4) + 4) \\
&:= (55555/5) - (((5 + 5)/5)^5) \\
&:= 6 + (66666/6 - (((6 + 6)/6) + (6 \times 6))) \\
&:= 7 + (((7 + 7) \times ((777 + 7) + 7)) - ((7 + 7)/7)) \\
&:= (88888/8) - ((8 + 8 + 8) + 8) \\
&:= (99 \times ((999 + 9)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11080 &:= (11 - 1) \times (1111 - (1 + 1 + 1)) \\
&:= (2 - 22) \times (22 - ((22 + 2)^2)) \\
&:= ((3^3 - 3)^3) - ((33/3 + 3)^3) \\
&:= (44 \times (4^4 - 4)) - (4 + 4) \\
&:= (5 - 5/5) \times ((5 \times 555) - 5) \\
&:= 6 + (66666/6 - ((6 \times 6) + 6/6)) \\
&:= 7 + (((7 + 7) \times ((777 + 7) + 7)) - 7/7) \\
&:= 8 + (8 \times ((88 \times (8 + 8)) - (8 + 8 + 8))) \\
&:= 9/9 + ((99 \times ((999 + 9)/9)) - 9)
\end{aligned}$$

- **11081** := $1 + ((11 - 1) \times (1111 - (1 + 1 + 1)))$
:= $2 + ((22222/2) - (2 \times (2^{2+2})))$
:= $3 + ((33333/3) - 33)$
:= $4 + ((44 \times (4^4 - 4)) - 44/4)$
:= $(55555/5) - (5 \times 5 + 5)$
:= $6 + (66666/6 - (6 \times 6))$
:= $7 + ((7 + 7) \times ((777 + 7) + 7))$
:= $8 + ((8 \times ((88 \times (8 + 8)) - (8 + 8 + 8))) + 8/8)$
:= $9 \times 9 + ((99/9) \times (999 + 9/9))$
- **11082** := $1 + (1 + ((11 - 1) \times (1111 - (1 + 1 + 1))))$
:= $2 + ((2 - 22) \times (22 - ((22 + 2)^2)))$
:= $(33 \times (333 + 3)) - (3 + 3)$
:= $(44 \times (4^4 - 4)) - (((4 + 4)/4) + 4)$
:= $5/5 + ((55555/5) - (5 \times 5 + 5))$
:= $(66 \times ((6 \times 6 + 66) + 66)) - 6$
:= $7 + (((7 + 7) \times ((777 + 7) + 7)) + 7/7)$
:= $8 + ((8 \times ((88 \times (8 + 8)) - (8 + 8 + 8))) + ((8 + 8)/8))$
:= $((999/9) \times (9/9 + 99)) - (9 + 9)$
- **11083** := $11111 - (1 + ((1 + 1 + 1)^{1+1+1}))$
:= $(2 \times (2 - (2^{2+2}))) + (22222/2)$
:= $3 + (((3^3 - 3)^3) - ((33/3 + 3)^3))$
:= $(44 \times (4^4 - 4)) - (4/4 + 4)$
:= $((5 \times 5 - 5) \times 555) - ((55 + 5)/5 + 5)$
:= $6/6 + ((66 \times ((6 \times 6 + 66) + 66)) - 6)$
:= $7 \times 7 + ((77777/7) - 77)$
:= $88/8 + (8 \times ((88 \times (8 + 8)) - (8 + 8 + 8)))$
:= $9 + ((99 - 9/9) \times ((999 + 9) + 9/9))$
- **11084** := $11111 - ((1 + 1 + 1)^{1+1+1})$
:= $((22 + 2/2) \times (22^2 - 2)) - 2$
:= $(33333/3) - 3^3$
:= $(44 \times (4^4 - 4)) - 4$
:= $(5 - 5/5) \times (((5 \times 555) - 5) + 5/5)$
:= $(6 - ((6 + 6)/6)) \times ((66 \times (6 \times 6 + 66)) - 6/6)$
:= $((77 - 7)/7) + ((7 + 7) \times ((777 + 7) + 7))$
:= $(88888/8) - (((88/8) + 8) + 8)$
:= $(99999/9) - (9 + 9 + 9)$
- **11085** := $11111 - ((1 + 1) \times (1 + 1 + 11))$
:= $(22222/2) - (22 + 2 + 2)$
:= $(33 \times (333 + 3)) - 3$
:= $4/4 + ((44 \times (4^4 - 4)) - 4)$
:= $5 + ((5 - 5/5) \times ((5 \times 555) - 5))$
:= $66 + (((666/6 - 6)^{(6+6)/6}) - 6)$
:= $(77/7) + ((7 + 7) \times ((777 + 7) + 7))$
:= $8 + (((888/8) \times ((88/8) + 88)) + 88)$
:= $9/9 + ((99999/9) - (9 + 9 + 9))$
- **11086** := $11111 - (1 + (1 + 1) \times (1 + 11))$
:= $(22 + 2/2) \times (22^2 - 2)$
:= $3/3 + ((33 \times (333 + 3)) - 3)$
:= $(44 \times (4^4 - 4)) - ((4 + 4)/4)$
:= $(55555/5) - (5 \times 5)$
:= $(66/6) + (66666/6 - (6 \times 6))$
:= $((77 + 7)/7) + ((7 + 7) \times ((777 + 7) + 7))$
:= $((8 + 8)/8) \times ((8 \times (8 \times 88)) - (8/8 + 88))$
:= $9 + ((99/9) \times ((999 - 9/9) + 9))$
- **11087** := $11111 - ((1 + 1) \times (1 + 11))$
:= $(22222/2) - (22 + 2)$
:= $(33 \times (333 + 3)) - 3/3$
:= $(44 \times (4^4 - 4)) - 4/4$
:= $5/5 + ((55555/5) - (5 \times 5))$
:= $6 + ((66666/6 - (6 \times 6)) + 6)$
:= $(777/7) + ((7 + 7) \times (777 + 7))$
:= $(88888/8) - (8 + 8 + 8)$
:= $(99 \times ((999 + 9)/9)) - 9/9$
- **11088** := $11 \times ((11 - 1 - 1) \times (1 + 111))$
:= $22 \times ((22^2 - 2) + 22)$
:= $33 \times (333 + 3)$
:= $44 \times (4^4 - 4)$
:= $((5 + 5)/5) \times (5555 - (55/5))$
:= $66 \times ((6 \times 6 + 66) + 66)$
:= $7 + (((7 + 7) \times ((777 + 7) + 7)) + 7)$
:= $88 \times ((8 \times (8 + 8)) - ((8 + 8)/8))$
:= $99 \times ((999 + 9)/9)$
- **11089** := $11111 - (11 + 11)$
:= $(22222/2) - 22$
:= $3/3 + (33 \times (333 + 3))$
:= $4/4 + (44 \times (4^4 - 4))$
:= $((5 \times 5 - 5) \times 555) - (55/5)$
:= $6/6 + (66 \times ((6 \times 6 + 66) + 66))$
:= $7 + (((7 + 7) \times ((777 + 7) + 7)) + 7/7 + 7)$
:= $8/8 + (88 \times ((8 \times (8 + 8)) - ((8 + 8)/8)))$
:= $9/9 + (99 \times ((999 + 9)/9))$
- **11090** := $(11 - 1) \times (1111 - (1 + 1))$
:= $2 + (22 \times ((22^2 - 2) + 22))$
:= $3 + ((33 \times (333 + 3)) - 3/3)$
:= $((4 + 4)/4) + (44 \times (4^4 - 4))$
:= $((5 \times 5 - 5) \times 555) - (5 + 5)$
:= $((6 + 6)/6) + (66 \times ((6 \times 6 + 66) + 66))$
:= $(77777/7) - (7 + 7 + 7)$
:= $((8 + 8)/8) + (88 \times ((8 \times (8 + 8)) - ((8 + 8)/8)))$
:= $((9 + 9)/9) + (99 \times ((999 + 9)/9))$

$$\begin{aligned}
 \blacktriangleright 11091 &:= 1 + ((11 - 1) \times (1111 - (1 + 1))) \\
 &:= 2 + ((22222/2) - 22) \\
 &:= 3 + (33 \times (333 + 3)) \\
 &:= 4 + ((44 \times (4^4 - 4)) - 4/4) \\
 &:= 5 + ((55555/5) - (5 \times 5)) \\
 &:= 66 + ((666/6 - 6)^{(6+6)/6}) \\
 &:= 7/7 + ((77777/7) - (7 + 7 + 7)) \\
 &:= (88888/8) - (((88 + 8)/8) + 8) \\
 &:= ((999/9) \times (9/9 + 99)) - 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11092 &:= 1 + (1 + ((11 - 1) \times (1111 - (1 + 1)))) \\
 &:= (2 \times 222) + (22^{2/2+2}) \\
 &:= 3 + ((33 \times (333 + 3)) + 3/3) \\
 &:= 4 + (44 \times (4^4 - 4)) \\
 &:= (5 - 5/5) \times ((5 \times 555) - ((5 + 5)/5)) \\
 &:= (6 - ((6 + 6)/6)) \times ((66 \times (6 \times 6 + 6)) + 6/6) \\
 &:= 7 + (((7 + 7) \times ((777 + 7) + 7)) + (77/7)) \\
 &:= (88888/8) - ((88/8) + 8) \\
 &:= (99999/9) - ((9/9 + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11093 &:= 11111 - ((1 + 1) \times (11 - 1 - 1)) \\
 &:= 2 + (((22222/2) - 22) + 2) \\
 &:= (33333/3) - (3 \times (3 + 3)) \\
 &:= 4 + ((44 \times (4^4 - 4)) + 4/4) \\
 &:= ((5 \times 5 - 5) \times 555) - (((5 + 5)/5) + 5) \\
 &:= (66666/6) - (6 + 6 + 6) \\
 &:= (77777/7) - (77/7 + 7) \\
 &:= ((8 - 88)/8) + ((88888/8) - 8) \\
 &:= (99999/9) - (9 + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11094 &:= 1 + (11111 - ((1 + 1) \times (11 - 1 - 1))) \\
 &:= (2 + 2 + 2) \times (((2 \times 22) - 2/2)^2) \\
 &:= 3 + ((33 \times (333 + 3)) + 3) \\
 &:= 4 + ((44 \times (4^4 - 4)) + ((4 + 4)/4)) \\
 &:= ((5 \times 5 - 5) \times 555) - (5/5 + 5) \\
 &:= 6 + (66 \times ((6 \times 6 + 66) + 66)) \\
 &:= 7 + (((7 + 7) \times (777 + 7)) + (777/7)) \\
 &:= (88 - ((8 + 8)/8)) \times (8 \times (8 + 8) + 8/8) \\
 &:= 9/9 + ((99999/9) - (9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11095 &:= 11111 - ((1 + 1)^{1+1+1+1}) \\
 &:= (22222/2) - (2^{2+2}) \\
 &:= 3 + (((33 \times (333 + 3)) + 3/3) + 3) \\
 &:= (44444/4) - (4 \times 4) \\
 &:= ((5 \times 5 - 5) \times 555) - 5 \\
 &:= 6 + ((66 \times ((6 \times 6 + 66) + 66)) + 6/6) \\
 &:= ((7 + 7 + 7) \times ((7 \times 77) - 7)) - 77 \\
 &:= (88888/8) - (8 + 8) \\
 &:= 9 + (((99/9) \times ((999 - 9/9) + 9)) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11096 &:= 11111 - (1 + (1 + 1 + 1 + 11)) \\
 &:= 2 + ((2 + 2 + 2) \times (((2 \times 22) - 2/2)^2)) \\
 &:= 3 + ((33333/3) - (3 \times (3 + 3))) \\
 &:= 4 + ((44 \times (4^4 - 4)) + 4) \\
 &:= 5/5 + (((5 \times 5 - 5) \times 555) - 5) \\
 &:= 6 + ((66 \times ((6 \times 6 + 66) + 66)) + ((6 + 6)/6)) \\
 &:= (7/7 - 77) \times (7/7 - (7 \times (7 + 7 + 7))) \\
 &:= 8 + (88 \times ((8 \times (8 + 8)) - ((8 + 8)/8))) \\
 &:= 9 + ((99 \times ((999 + 9)/9)) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11097 &:= 11111 - (1 + 1 + 1 + 11) \\
 &:= 2 + ((22222/2) - (2^{2+2})) \\
 &:= 3 \times 3 + (33 \times (333 + 3)) \\
 &:= 4 + (((44 \times (4^4 - 4)) + 4/4) + 4) \\
 &:= ((5 + 5)/5) + (((5 \times 5 - 5) \times 555) - 5) \\
 &:= 6 + (((666/6 - 6)^{(6+6)/6}) + 66) \\
 &:= (77777/7) - (7 + 7) \\
 &:= 8 + ((88 \times ((8 \times (8 + 8)) - ((8 + 8)/8))) + 8/8) \\
 &:= 9 + (99 \times ((999 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11098 &:= 11111 - (1 + 1 + 11) \\
 &:= (222 \times ((2 \times (22 + 2)) + 2)) - 2 \\
 &:= 3 \times 3 + ((33 \times (333 + 3)) + 3/3) \\
 &:= ((44 - 4)/4) + (44 \times (4^4 - 4)) \\
 &:= ((5 \times 5 - 5) \times 555) - ((5 + 5)/5) \\
 &:= (66666/6) - (6/6 + 6 + 6) \\
 &:= 7/7 + ((77777/7) - (7 + 7)) \\
 &:= (88888/8) - ((88 + 8 + 8)/8) \\
 &:= 9 + ((99 \times ((999 + 9)/9)) + 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11099 &:= 11111 - 11 - 1 \\
 &:= (22222/2) - (2 \times (2 + 2 + 2)) \\
 &:= (33/3) + (33 \times (333 + 3)) \\
 &:= (44/4) + (44 \times (4^4 - 4)) \\
 &:= ((5 \times 5 - 5) \times 555) - 5/5 \\
 &:= (66666/6) - (6 + 6) \\
 &:= (77777/7) - ((77 + 7)/7) \\
 &:= (88888/8) - ((88 + 8)/8) \\
 &:= (99/9) \times ((999 + 9/9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11100 &:= 11111 - 11 \\
 &:= 222 \times ((2 \times (22 + 2)) + 2) \\
 &:= 3 + ((33 \times (333 + 3)) + 3 \times 3) \\
 &:= 4 + (((44 \times (4^4 - 4)) + 4) + 4) \\
 &:= (5 \times 5 - 5) \times 555 \\
 &:= (66666/6) - (66/6) \\
 &:= (77777/7) - (77/7) \\
 &:= (88888/8) - (88/8) \\
 &:= (999/9) \times (9/9 + 99)
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11101 &:= 1 + (11111 - 11) \\
&:= 2/2 + (222 \times ((2 \times (22 + 2)) + 2)) \\
&:= ((3 - 33)/3) + (33333/3) \\
&:= 4 + (((44 \times (4^4 - 4)) + 4/4) + 4) + 4 \\
&:= 5/5 + ((5 \times 5 - 5) \times 555) \\
&:= ((6 - 66)/6) + (66666/6) \\
&:= ((7 - 77)/7) + (77777/7) \\
&:= ((8 - 88)/8) + (88888/8) \\
&:= (99999/9) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11106 &:= 11111 - (1 + 1 + 1 + 1 + 1) \\
&:= (2 + 2 + 2) \times (((2 \times 22) - 2/2)^2) + 2 \\
&:= ((3 + 3)^3) + (33 \times (333 - 3)) \\
&:= (44444/4) - (4/4 + 4) \\
&:= (55555/5) - 5 \\
&:= 6/6 + (66666/6 - 6) \\
&:= ((7 + 7)/7) + ((77777/7) - 7) \\
&:= 88/8 + ((88888/8) - (8 + 8)) \\
&:= 9 + ((99 \times ((999 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11102 &:= 1 + (1 + (11111 - 11)) \\
&:= 2 + (222 \times ((2 \times (22 + 2)) + 2)) \\
&:= (33333/3) - (3 \times 3) \\
&:= 4 + ((44 \times (4^4 - 4)) + ((44 - 4)/4)) \\
&:= ((5 + 5)/5) + ((5 \times 5 - 5) \times 555) \\
&:= (((6 - 66) + 6)/6) + (66666/6) \\
&:= 77 + ((7 \times (7 + 7) + 7)^{(7+7)/7}) \\
&:= (88888/8) - (8/8 + 8) \\
&:= (99999/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11107 &:= 11111 - (1 + 1 + 1 + 1) \\
&:= (22222/2) - (2 + 2) \\
&:= (33333/3) - (3/3 + 3) \\
&:= (44444/4) - 4 \\
&:= 5/5 + (55555/5 - 5) \\
&:= ((6 + 6)/6) + (66666/6 - 6) \\
&:= 7 + ((77777/7) - (77/7)) \\
&:= (88888/8) - (8 \times 8/(8 + 8)) \\
&:= 9 + (((99 \times ((999 + 9)/9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11103 &:= 1 + (1 + (1 + (11111 - 11))) \\
&:= (22222/2) - (2 \times (2 + 2)) \\
&:= 3 + (((33 \times (333 + 3)) + 3 \times 3) + 3) \\
&:= (44444/4) - (4 + 4) \\
&:= 5 + (((5 \times 5 - 5) \times 555) - ((5 + 5)/5)) \\
&:= (66666/6) - ((6 + 6)/6 + 6) \\
&:= (77777/7) - (7/7 + 7) \\
&:= (88888/8) - 8 \\
&:= 9/9 + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11108 &:= 11111 - (1 + 1 + 1) \\
&:= (22222/2) - (2/2 + 2) \\
&:= (33333/3) - 3 \\
&:= 4 + ((44 \times (4^4 - 4)) + 4 \times 4) \\
&:= ((5 + 5)/5) \times (5555 - 5/5) \\
&:= (66666/6) - (6 \times 6/(6 + 6)) \\
&:= (77777/7) - ((7 + 7 + 7)/7) \\
&:= 8 + ((88888/8) - 88/8) \\
&:= 9 + ((99/9) \times ((999 + 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11104 &:= 1 + (1 + (1 + (1 + (11111 - 11)))) \\
&:= 2 + ((222 \times ((2 \times (22 + 2)) + 2)) + 2) \\
&:= (33333/3) - (3/3 + 3 + 3) \\
&:= 4 \times 4 + (44 \times (4^4 - 4)) \\
&:= 5 + (((5 \times 5 - 5) \times 555) - 5/5) \\
&:= (66666/6) - (6/6 + 6) \\
&:= (77777/7) - 7 \\
&:= 8/8 + ((88888/8) - 8) \\
&:= ((9 + 9)/9) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11109 &:= 11111 - (1 + 1) \\
&:= (22222/2) - 2 \\
&:= 3/3 + ((33333/3) - 3) \\
&:= (44444/4) - ((4 + 4)/4) \\
&:= (55555/5) - ((5 + 5)/5) \\
&:= (66666/6) - ((6 + 6)/6) \\
&:= (77777/7) - ((7 + 7)/7) \\
&:= (88888/8) - ((8 + 8)/8) \\
&:= 9 + ((999/9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11105 &:= 11111 - ((1 + 1) \times (1 + 1 + 1)) \\
&:= (22222/2) - (2 + 2 + 2) \\
&:= (33333/3) - (3 + 3) \\
&:= 4 \times 4 + ((44 \times (4^4 - 4)) + 4/4) \\
&:= 5 + ((5 \times 5 - 5) \times 555) \\
&:= (66666/6) - 6 \\
&:= 7/7 + ((77777/7) - 7) \\
&:= ((8 + 8)/8) + ((88888/8) - 8) \\
&:= 9 + (((99 \times ((999 + 9)/9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11110 &:= 11111 - 1 \\
&:= (2/2 + 2 + 2) \times 2222 \\
&:= (33333/3) - 3/3 \\
&:= (44444/4) - 4/4 \\
&:= (5 + 5) \times (5555/5) \\
&:= (66666/6) - 6/6 \\
&:= (77777/7) - 7/7 \\
&:= (88888/8) - 8/8 \\
&:= (9/9 + 9) \times 9999/9
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11111 &:= 11111 \\
 &:= 22222/2 \\
 &:= 33333/3 \\
 &:= 44444/4 \\
 &:= 55555/5 \\
 &:= 66666/6 \\
 &:= 77777/7 \\
 &:= 88888/8 \\
 &:= 99999/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11116 &:= 1 + (1 + (1 + (1 + (1 + 11111)))) \\
 &:= 2 + ((22222/2) + 2/2) + 2 \\
 &:= 3 + (((33333/3) - 3/3) + 3) \\
 &:= 4 + ((44444/4) + 4/4) \\
 &:= 5 + (55555/5) \\
 &:= 6 + (66666/6 - 6/6) \\
 &:= 7 + ((77777/7) - ((7 + 7)/7)) \\
 &:= 8 + (((88888/8) - 88/8) + 8) \\
 &:= 9/9 + (((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9)) + 99
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11112 &:= 1 + 11111 \\
 &:= 2/2 + (22222/2) \\
 &:= 3/3 + (33333/3) \\
 &:= 4/4 + (44444/4) \\
 &:= 5/5 + (55555/5) \\
 &:= 6/6 + (66666/6) \\
 &:= 7/7 + (77777/7) \\
 &:= 8/8 + (88888/8) \\
 &:= 9/9 + (99999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11117 &:= 11111 + ((1 + 1) \times (1 + 1 + 1)) \\
 &:= 2 + ((22222/2) + 2) + 2 \\
 &:= 3 + ((33333/3) + 3) \\
 &:= 4 + ((44444/4) + ((4 + 4)/4)) \\
 &:= 5 + (55555/5 + 5/5) \\
 &:= 6 + (66666/6) \\
 &:= 7 + ((77777/7) - 7/7) \\
 &:= 8 + ((88888/8) - ((8 + 8)/8)) \\
 &:= 9 + (((99/9) \times ((999 + 9/9) + 9)) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11113 &:= 1 + (1 + 11111) \\
 &:= 2 + (22222/2) \\
 &:= 3 + ((33333/3) - 3/3) \\
 &:= ((4 + 4)/4) + (44444/4) \\
 &:= ((5 + 5)/5) + (55555/5) \\
 &:= ((6 + 6)/6) + (66666/6) \\
 &:= ((7 + 7)/7) + (77777/7) \\
 &:= ((8 + 8)/8) + (88888/8) \\
 &:= ((9 + 9)/9) + (99999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11118 &:= ((11 - 1) \times (1 + 11111)) - (1 + 1) \\
 &:= ((2/2 + 2 + 2) \times (2222 + 2)) - 2 \\
 &:= 3 + ((33 \times (333 + 3)) + 3^3) \\
 &:= 4 + ((44444/4 - 4/4) + 4) \\
 &:= 5 + (55555/5 + ((5 + 5)/5)) \\
 &:= 6 + (66666/6 + 6/6) \\
 &:= 7 + (77777/7) \\
 &:= 8 + ((88888/8) - 8/8) \\
 &:= 9 + (((999/9) \times (9/9 + 99)) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11114 &:= 1 + (1 + (1 + 11111)) \\
 &:= 2 + ((22222/2) + 2/2) \\
 &:= 3 + (33333/3) \\
 &:= 4 + (44444/4 - 4/4) \\
 &:= 5 + ((55555/5) - ((5 + 5)/5)) \\
 &:= (6 \times 6/(6 + 6)) + (66666/6) \\
 &:= ((7 + 7 + 7)/7) + (77777/7) \\
 &:= 88/8 + ((88888/8) - 8) \\
 &:= ((9 + 9 + 9)/9) + (99999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11119 &:= ((11 - 1) \times (1 + 11111)) - 1 \\
 &:= (2 \times (2 + 2)) + (22222/2) \\
 &:= 3 \times 3 + ((33333/3) - 3/3) \\
 &:= 4 + ((44444/4) + 4) \\
 &:= ((5 + 5) \times ((5555 + 5)/5)) - 5/5 \\
 &:= 6 + (66666/6 + ((6 + 6)/6)) \\
 &:= 7 + ((77777/7) + 7/7) \\
 &:= 8 + (88888/8) \\
 &:= 9 + ((9/9 + 9) \times 9999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11115 &:= 1 + (1 + (1 + (1 + 11111))) \\
 &:= 2 + ((22222/2) + 2) \\
 &:= 3^3 + (33 \times (333 + 3)) \\
 &:= 4 + (44444/4) \\
 &:= 5 + ((5 + 5) \times (5555/5)) \\
 &:= 6 + (66666/6 - ((6 + 6)/6)) \\
 &:= (77/7) + ((77777/7) - 7) \\
 &:= (8 \times 8/(8 + 8)) + (88888/8) \\
 &:= 99 + (((9 \times 9) - 9) \times ((9 \times (9 + 9)) - 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11120 &:= (11 - 1) \times (1 + 11111) \\
 &:= (2/2 + 2 + 2) \times (2222 + 2) \\
 &:= 3 \times 3 + (33333/3) \\
 &:= (4 \times (4 + 4)) + (44 \times (4^4 - 4)) \\
 &:= (5 + 5) \times ((5555 + 5)/5) \\
 &:= ((66 - 6)/6) \times ((6666 + 6)/6) \\
 &:= 7 + ((77777/7) + (7 + 7)/7) \\
 &:= (8 + 8) \times ((8 \times 88) - (8/8 + 8)) \\
 &:= 9 + (99999/9)
 \end{aligned}$$

- ▶ **11121** := $11 + (11111 - 1)$
:= $2 + ((22222/2) + (2 \times (2 + 2)))$
:= $33 + (33 \times (333 + 3))$
:= $44 + ((44 \times (4^4 - 4)) - 44/4)$
:= $5 + (55555/5 + 5)$
:= $((66 - 6)/6) + (66666/6)$
:= $((77 - 7)/7) + (77777/7)$
:= $8 + ((88888/8) + ((8 + 8)/8))$
:= $9 + ((99999/9) + 9/9)$
- ▶ **11122** := $11 + 11111$
:= $(22/2) + (22222/2)$
:= $(33/3) + (33333/3)$
:= $(44/4) + (44444/4)$
:= $(55/5) + (55555/5)$
:= $(66/6) + (66666/6)$
:= $(77/7) + (77777/7)$
:= $88/8 + (88888/8)$
:= $(99/9) + (99999/9)$
- ▶ **11123** := $1 + (11 + 11111)$
:= $(2 \times (2 + 2 + 2)) + (22222/2)$
:= $3 + ((33333/3) + 3 \times 3)$
:= $4 + (((44444/4) + 4) + 4)$
:= $((55 + 5)/5) + (55555/5)$
:= $6 + (66666/6 + 6)$
:= $7 \times (((7 + 7 + 7) \times (77 - 7/7)) - 7)$
:= $((88 + 8)/8) + (88888/8)$
:= $((99 + 9)/9) + (99999/9)$
- ▶ **11124** := $1 + (1 + (11 + 11111))$
:= $2 + ((22222/2) + (22/2))$
:= $3 + ((33 \times (333 + 3)) + 33)$
:= $4 + ((44 \times (4^4 - 4)) + (4 \times (4 + 4)))$
:= $5 \times 5 + (((5 \times 5 - 5) \times 555) - 5/5)$
:= $6 \times ((66 \times (6 + 6 + 6)) + 666)$
:= $7 + (((77777/7) - 7/7) + 7)$
:= $((8 + 8) \times ((8 \times 88) - 8)) - ((88 + 8)/8)$
:= $(9 + 9) \times ((9 \times (9 \times 9)) - (999/9))$
- ▶ **11125** := $1 + (1 + (1 + (11 + 11111)))$
:= $(2^{2+2}) + ((22222/2) - 2)$
:= $3 + ((33333/3) + (33/3))$
:= $4 + (((44 \times (4^4 - 4)) + (4 \times (4 + 4))) + 4/4)$
:= $5 \times (((5 - 5/5) \times 555) + 5)$
:= $6 + ((66666/6 + ((6 + 6)/6)) + 6)$
:= $7 + ((77777/7) + 7)$
:= $((8 + 8) \times ((8 \times 88) - 8)) - (88/8)$
:= $9/9 + ((9 + 9) \times ((9 \times (9 \times 9)) - (999/9)))$
- ▶ **11126** := $1 + (1 + (1 + (1 + (11 + 11111))))$
:= $(22 \times (22^2 + 22)) - (2 + 2 + 2)$
:= $3 + (((33333/3) + 3 \times 3) + 3)$
:= $4 + ((44444/4) + 44/4)$
:= $5 + ((55555/5 + 5) + 5)$
:= $6 + (((66 - 6)/6) \times ((6666 + 6)/6))$
:= $7 + (((77777/7) + 7/7) + 7)$
:= $8 + (((88888/8) - 8/8) + 8)$
:= $9 + (((99/9) \times ((999 + 9/9) + 9)) + 9) + 9)$
- ▶ **11127** := $11111 + ((1 + 1)^{1+1+1+1})$
:= $(2^{2+2}) + (22222/2)$
:= $3 + (((33 \times (333 + 3)) + 33) + 3)$
:= $4 \times 4 + (44444/4)$
:= $5 + (55555/5 + (55/5))$
:= $6 + (66666/6 + ((66 - 6)/6))$
:= $7 + (((77777/7) + ((7 + 7)/7)) + 7)$
:= $8 + ((88888/8) + 8)$
:= $9 + (((999/9) \times (9/9 + 99)) + 9) + 9)$
- ▶ **11128** := $((11 - 1) \times (1 + 1 + 11111)) - (1 + 1)$
:= $(22 \times (22^2 + 22)) - (2 + 2)$
:= $3 + (((33333/3) + (33/3)) + 3)$
:= $44 + ((44 \times (4^4 - 4)) - 4)$
:= $5 + (55555/5 + ((55 + 5)/5))$
:= $6 + (66666/6 + (66/6))$
:= $7 + ((77777/7) + ((77 - 7)/7))$
:= $((8 + 8) \times ((8 \times 88) - 8)) - 8$
:= $9 + (((9/9 + 9) \times 9999/9) + 9)$
- ▶ **11129** := $((11 - 1) \times (1 + 1 + 11111)) - 1$
:= $2 + ((22222/2) + (2^{2+2}))$
:= $(3 \times (3 + 3)) + (33333/3)$
:= $44 + (((44 \times (4^4 - 4)) - 4) + 4/4)$
:= $5 + (((5 \times 5 - 5) \times 555) - 5/5) + 5 \times 5)$
:= $6 + ((66666/6 + 6) + 6)$
:= $7 + ((77777/7) + (77/7))$
:= $8/8 + (((8 + 8) \times ((8 \times 88) - 8)) - 8)$
:= $9 + (99999/9) + 9)$
- ▶ **11130** := $(11 - 1) \times (1 + 1 + 11111)$
:= $(22 \times (22^2 + 22)) - 2$
:= $3 \times 3 + ((33 \times (333 + 3)) + 33)$
:= $44 + ((44 \times (4^4 - 4)) - ((4 + 4)/4))$
:= $5 + (((5 \times 5 - 5) \times 555) + 5 \times 5)$
:= $6 + (6 \times ((66 \times (6 + 6 + 6)) + 666))$
:= $(7 + 7) \times (((77/7) + 777) + 7)$
:= $8 + ((88888/8) + (88/8))$
:= $9 + (((99999/9) + 9/9) + 9)$

$$\begin{aligned}
\blacktriangleright 11131 &:= 1 + ((11 - 1) \times (1 + 1 + 1111)) \\
&:= 22 + ((22222/2) - 2) \\
&:= 3 \times 3 + ((33333/3) + (33/3)) \\
&:= 4 + ((44444/4) + 4 \times 4) \\
&:= 5 \times 5 + (55555/5 - 5) \\
&:= (6 \times (6 \times (6 \times 66))) - ((6 - 6/6)^{6-6/6}) \\
&:= 7 + (((77777/7) - 7/7) + 7) + 7) \\
&:= 8 + ((88888/8) + ((88 + 8)/8)) \\
&:= 9 + ((99999/9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11132 &:= 11 + (11 + (11111 - 1)) \\
&:= 22 \times (22^2 + 22) \\
&:= 3 + ((33333/3) + (3 \times (3 + 3))) \\
&:= 44 + (44 \times (4^4 - 4)) \\
&:= ((5 + 5)/5) \times (5555 + 55/5) \\
&:= 6 + (((66 - 6)/6) \times ((6666 + 6)/6)) + 6) \\
&:= 7 + (((77777/7) + 7) + 7) \\
&:= ((8 + 8) \times ((8 \times 88) - 8)) - (8 \times 8/(8 + 8)) \\
&:= (99/9) \times (9999/9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11133 &:= 11 + (11 + 11111) \\
&:= 22 + (22222/2) \\
&:= 3 \times (((3 \times 3 + 3 + 3)^3) + 333) + 3) \\
&:= 44 + ((44 \times (4^4 - 4)) + 4/4) \\
&:= 5 \times 5 + (((5 + 5)/5) \times (5555 - 5/5)) \\
&:= ((66 + 66)/6) + (66666/6) \\
&:= 7 + (((77777/7) + 7/7) + 7) + 7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) - 88/8) \\
&:= 9 + ((9 + 9) \times ((9 \times (9 \times 9)) - (999/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11134 &:= 1 + (11 + (11 + 11111)) \\
&:= 2 + (22 \times (22^2 + 22)) \\
&:= 3^3 + ((33333/3) - (3/3 + 3)) \\
&:= 44 + ((44 \times (4^4 - 4)) + ((4 + 4)/4)) \\
&:= 5 \times 5 + ((55555/5) - ((5 + 5)/5)) \\
&:= 6 + ((66666/6 + (66/6)) + 6) \\
&:= ((7 + 7)/7) \times ((7 \times 777) + (((7 + 7)/7)^7)) \\
&:= ((8 + 8) \times ((8 \times 88) - 8)) - ((8 + 8)/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (999/9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11135 &:= 11111 + ((1 + 1) \times (1 + 11)) \\
&:= 2 + ((22222/2) + 22) \\
&:= 3^3 + ((33333/3) - 3) \\
&:= 4 + (((44444/4) + 4 \times 4) + 4) \\
&:= 5 \times 5 + ((5 + 5) \times (5555/5)) \\
&:= 6 + (((66666/6 + 6) + 6) + 6) \\
&:= 7 + (((77777/7) + ((77 - 7)/7)) + 7) \\
&:= ((8 + 8) \times ((8 \times 88) - 8)) - 8/8 \\
&:= (99/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - (999/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11136 &:= 1 + (11111 + ((1 + 1) \times (1 + 11))) \\
&:= 2 + ((22 \times (22^2 + 22)) + 2) \\
&:= ((33/3) - 3^3) \times (33 - (3^{3+3})) \\
&:= 4 + ((44 \times (4^4 - 4)) + 44) \\
&:= 5 \times 5 + (55555/5) \\
&:= (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) - 6) \\
&:= (((7 + 7)/7)^7) \times (((77 - 7)/7) + 77) \\
&:= (8 + 8) \times ((8 \times 88) - 8) \\
&:= 9 + (((999/9) \times (9/9 + 99)) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11137 &:= 11111 + ((1 + 1) \times (1 + 1 + 11)) \\
&:= 2 + (((22222/2) + 22) + 2) \\
&:= 3^3 + ((33333/3) - 3/3) \\
&:= (44 - 4/4) \times ((4^4 - 4/4) + 4) \\
&:= 5 \times 5 + (55555/5 + 5/5) \\
&:= 6/6 + (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) - 6) \\
&:= 7 + ((7 + 7) \times (((77/7) + 777) + 7)) \\
&:= 8/8 + ((8 + 8) \times ((8 \times 88) - 8)) \\
&:= 9 + (((9/9 + 9) \times 9999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11138 &:= 11111 + ((1 + 1 + 1)^{1+1+1}) \\
&:= 2 + (((22 \times (22^2 + 22)) + 2) + 2) \\
&:= 3^3 + (33333/3) \\
&:= 4^4 \times 44 + ((4 - 4^4)/((4 + 4)/4)) \\
&:= 5 \times 5 + (55555/5 + ((5 + 5)/5)) \\
&:= ((6 + 6)/6) + (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) - 6) \\
&:= 7 + (((77777/7) - 7/7) + 7) + 7) + 7) \\
&:= ((8 + 8)/8) + ((8 + 8) \times ((8 \times 88) - 8)) \\
&:= 9 + (((99999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11139 &:= ((11 - 1) \times (1 + (1 + 1 + 1111))) - 1 \\
&:= 2 + (((22222/2) + 22) + 2) + 2) \\
&:= 3^3 + ((33333/3) + 3/3) \\
&:= 44 + ((44444/4) - 4 \times 4) \\
&:= (55/5 \times ((5 - 5/5)^5)) - (5 \times 5 \times 5) \\
&:= 6 + (66666/6 + ((66 + 66)/6)) \\
&:= 7 + (((77777/7) + 7) + 7) + 7) \\
&:= 88/8 + (((8 + 8) \times ((8 \times 88) - 8)) - 8) \\
&:= 9 + (((99999/9) + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11140 &:= (11 - 1) \times (1 + (1 + 1 + 1111)) \\
&:= (2 \times (2 + 2)) + (22 \times (22^2 + 22)) \\
&:= ((3 \times 3) + 3/3) \times ((3333/3) + 3) \\
&:= 4 + (((44 \times (4^4 - 4)) + 44) + 4) \\
&:= (5 - 5/5) \times ((5 \times 555 + 5) + 5) \\
&:= 6 \times 6 + (66666/6 - (6/6 + 6)) \\
&:= 7 + (((77777/7) + 7/7) + 7) + 7) + 7) \\
&:= (8 \times 8/(8 + 8)) + ((8 + 8) \times ((8 \times 88) - 8)) \\
&:= 9 + (((99999/9) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11141 &:= 1 + ((11 - 1) \times (1 + (1 + 1 + 1111))) \\
&:= 22 + ((22222/2) + (2 \times (2 + 2))) \\
&:= 3 + ((33333/3) + 3^3) \\
&:= 4 + ((44 - 4/4) \times ((4^4 - 4/4) + 4)) \\
&:= 5 + (55555/5 + 5 \times 5) \\
&:= 6 \times 6 + (66666/6 - 6) \\
&:= 7 + (((7 + 7)/7)^{7/7+7}) + ((7 + 7) \times 777) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) - 88/8 + 8) \\
&:= 9 + ((99/9) \times (9999/9 - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11142 &:= (11 \times (((1 + 1)^{11-1}) - 11)) - 1 \\
&:= 2 + ((2 \times (222 \times (22 + 2))) + 22^2) \\
&:= 3^3 + ((33 \times (333 + 3)) + 3^3) \\
&:= 4^4 \times 44 - ((444 + 44)/4) \\
&:= 5 + ((55555/5 + 5 \times 5) + 5/5) \\
&:= 6 + (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) - 6) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) - 7)) - (((7 + 7)/7)^7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) - ((8 + 8)/8)) \\
&:= (9 + 9) \times (((9 - 999)/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11143 &:= 11 \times (((1 + 1)^{11-1}) - 11) \\
&:= (22/2) + (22 \times (22^2 + 22)) \\
&:= 33 + ((33333/3) - 3/3) \\
&:= (4 \times (4 + 4)) + (44444/4) \\
&:= (55/5) \times (((5 - 5/5)^5) - (55/5)) \\
&:= 6 + (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) - 6) + 6/6 \\
&:= 7 + (((7 + 7)/7)^7) \times (((77 - 7)/7) + 77) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) - 8/8) \\
&:= (99/9) \times (((9999 + 9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11144 &:= 1 + (11 \times (((1 + 1)^{11-1}) - 11)) \\
&:= 2 \times ((2^{2+2} - 2) \times (((22 - 2)^2) - 2)) \\
&:= 33 + (33333/3) \\
&:= 4 + (((44 \times (4^4 - 4)) + 44) + 4) + 4 \\
&:= (5 - 5/5) \times ((5 \times 555) + (55/5)) \\
&:= (66 \times 6/(6 + 6)) + (66666/6) \\
&:= 77 + (((7 + 7) \times ((777 + 7) + 7)) - 7) \\
&:= 8 + ((8 + 8) \times ((8 \times 88) - 8)) \\
&:= (99999/9) + (99/(9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11145 &:= 1 + (1 + (11 \times (((1 + 1)^{11-1}) - 11))) \\
&:= 2 + ((22 \times (22^2 + 22)) + (22/2)) \\
&:= 3/3 + ((33333/3) + 33) \\
&:= 4^4 \times 44 - (((444/4) + 4) + 4) \\
&:= ((5 \times 5 - 5) \times (555 + 5)) - 55 \\
&:= 6 \times 6 + (66666/6 - ((6 + 6)/6)) \\
&:= 7/7 + (((7 + 7) \times ((777 + 7) + 7)) - 7) + 77 \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) + 8/8) \\
&:= 9 + ((((((999/9) \times (9/9 + 99)) + 9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11146 &:= 1 + (1 + (1 + (11 \times (((1 + 1)^{11-1}) - 11)))) \\
&:= 2 + (2 \times ((2^{2+2} - 2) \times (((22 - 2)^2) - 2))) \\
&:= 3 + (((33333/3) - 3/3) + 33) \\
&:= 4 + ((4^4 \times 44) - ((444 + 44)/4)) \\
&:= 5 + ((55555/5 + 5 \times 5) + 5) \\
&:= 6 \times 6 + (66666/6 - 6/6) \\
&:= 7 \times 7 + ((77777/7) - (7 + 7)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) + ((8 + 8)/8)) \\
&:= 9 + ((((((9/9 + 9) \times 9999/9) + 9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11147 &:= 11111 + ((1 + 1 + 1) \times (1 + 11)) \\
&:= ((2 + 2 + 2)^2) + (22222/2) \\
&:= 3 + ((33333/3) + 33) \\
&:= 4 + ((44444/4) + (4 \times (4 + 4))) \\
&:= 5 \times 5 + (55555/5 + (55/5)) \\
&:= 6 \times 6 + (66666/6) \\
&:= 7/7 + (((77777/7) - (7 + 7)) + (7 \times 7)) \\
&:= 88/8 + ((8 + 8) \times ((8 \times 88) - 8)) \\
&:= 9 + (((99999/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11148 &:= 11111 + (111/(1 + 1 + 1)) \\
&:= (2^{2+2}) + (22 \times (22^2 + 22)) \\
&:= 3^3 + ((33 \times (333 + 3)) + 33) \\
&:= 4 \times 4 + ((44 \times (4^4 - 4)) + 44) \\
&:= 5 + (55555/5 + (((5 + 5)/5)^5)) \\
&:= 6 \times 6 + (66666/6 + 6/6) \\
&:= 7 \times 7 + ((77777/7) - ((77 + 7)/7)) \\
&:= ((88 + 8)/8) + ((8 + 8) \times ((8 \times 88) - 8)) \\
&:= 9 + (((99999/9) + 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11149 &:= 1 + (11111 + (111/(1 + 1 + 1))) \\
&:= 2 + ((22222/2) + ((2 + 2 + 2)^2)) \\
&:= 3^3 + ((33333/3) + (33/3)) \\
&:= 4^4 \times 44 - ((444/4) + 4) \\
&:= (55/5 \times (((5 - 5/5)^5) - (5 + 5))) - 5 \\
&:= 6 \times 6 + (66666/6 + ((6 + 6)/6)) \\
&:= 7 \times 7 + ((77777/7) - (77/7)) \\
&:= ((88 + 8 + 8)/8) + ((8 + 8) \times ((8 \times 88) - 8)) \\
&:= 9 + (((99999/9) + (99/9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11150 &:= (11 - 1) \times (1 + (1 + (1 + 1 + 1111))) \\
&:= ((22 + 2/2) + 2) \times (2 \times 222 + 2) \\
&:= 3 + (((33333/3) + 33) + 3) \\
&:= 4^4 \times 44 + (((4 - 444)/4) - 4) \\
&:= 5 \times (((5 - 5/5) \times 555) + 5) + 5 \\
&:= 6 + (66666/6 + (66 \times 6/(6 + 6))) \\
&:= 77 + (((7 + 7) \times ((777 + 7) + 7)) - 7/7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) - ((8 + 8)/8)) + 8 \\
&:= (9 \times (9 + 9)) + ((99 \times (999/9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11151 &:= 1 + ((11 - 1) \times (1 + (1 + (1 + 1 + 1111)))) \\
&:= (2 \times (22 - 2)) + (22222/2) \\
&:= ((3 + 3) \times 3^3) + (33 \times 333) \\
&:= 44 + ((44444/4) - 4) \\
&:= 5^5 + ((5 \times 5 \times (5 + 5)) + ((5/5 + 5)^5)) \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - ((6 \times 6 / (6 + 6))^6) \\
&:= 77 + ((7 + 7) \times ((777 + 7) + 7)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) - 8/8) + 8 \\
&:= (9 \times (9 + 9)) + (99 \times (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11152 &:= (11 \times ((1 + 1)^{11-1}) - (1 + 111)) \\
&:= 2 \times (2 \times ((2 \times (22 + 2))^2) + 22^2) \\
&:= ((3/3 + 3)^3) + (33 \times (333 + 3)) \\
&:= (4 \times (4 \times 4)) + (44 \times (4^4 - 4)) \\
&:= 5 + ((55555/5 + (55/5)) + 5 \times 5) \\
&:= 6 + ((66666/6 - 6/6) + (6 \times 6)) \\
&:= 7/7 + (((7 + 7) \times ((777 + 7) + 7)) + 77) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) + 8) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11153 &:= (11 \times ((1 + 1)^{11-1}) - 111) \\
&:= (2 \times 22) + ((22222/2) - 2) \\
&:= 3 \times 3 + ((33333/3) + 33) \\
&:= 4^4 \times 44 - (444/4) \\
&:= 55 + (((5 \times 5 - 5) \times 555) - ((5 + 5)/5)) \\
&:= 6 + (66666/6 + (6 \times 6)) \\
&:= 7 \times 7 + ((77777/7) - 7) \\
&:= (8 \times (88 \times (8 + 8))) - (888/8) \\
&:= 9/9 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) - (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11154 &:= 11 \times (1 + (((1 + 1)^{11-1}) - 11)) \\
&:= 22 + (22 \times (22^2 + 22)) \\
&:= 33 \times (((333 - 3/3) + 3) + 3) \\
&:= 4^4 \times 44 + ((4 - 444)/4) \\
&:= (55/5) \times (((5 - 5/5)^5) - (5 + 5)) \\
&:= 66 \times ((6/6 + 6 + 6)^{(6+6)/6}) \\
&:= 7/7 + (((77777/7) - 7) + (7 \times 7)) \\
&:= ((8 - 888)/8) + (8 \times (88 \times (8 + 8))) \\
&:= (99/9) \times (((999 - (9 + 9 + 9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11155 &:= 1 + (11 \times (1 + (((1 + 1)^{11-1}) - 11))) \\
&:= (2 \times 22) + (22222/2) \\
&:= 3 + ((33 \times (333 + 3)) + ((3/3 + 3)^3)) \\
&:= 44 + (44444/4) \\
&:= 55 + ((5 \times 5 - 5) \times 555) \\
&:= 6/6 + (66 \times ((6/6 + 6 + 6)^{(6+6)/6})) \\
&:= 7 \times 7 + (((77777/7) - 7) + (7 + 7)/7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) + (88/8)) \\
&:= (((99 - ((9 + 9)/9)) + 9)^{(9+9)/9}) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11156 &:= 1 + (1 + (11 \times (1 + (((1 + 1)^{11-1}) - 11)))) \\
&:= 2 + ((22 \times (22^2 + 22)) + 22) \\
&:= 3 + (((33333/3) + 33) + 3 \times 3) \\
&:= 4 + ((44 \times (4^4 - 4)) + (4 \times (4 \times 4))) \\
&:= 55 + (((5 \times 5 - 5) \times 555) + 5/5) \\
&:= 6 \times 6 + (((66 - 6)/6) \times ((6666 + 6)/6)) \\
&:= 7 + (((77777/7) - (77/7)) + (7 \times 7)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) + ((88 + 8)/8)) \\
&:= 9 + (((((99999/9) + 9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11157 &:= 11111 + ((1 + 1) \times (1 + 11 + 11)) \\
&:= 2 + ((22222/2) + 2 \times 22) \\
&:= 3 + (33 \times (((333 - 3/3) + 3) + 3)) \\
&:= 4 + (4^4 \times 44 - 444/4) \\
&:= 55 + (((5 \times 5 - 5) \times 555) + ((5 + 5)/5)) \\
&:= 6 + ((6 \times (66 \times (6 \times 6 - 6))) - ((6 \times 6 / (6 + 6))^6)) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) - 7)) - ((7/7 + 7) + 7) \\
&:= (8 \times (88 \times (8 + 8))) - (((88/8) + 88) + 8) \\
&:= (9 \times (((9 + 9)/9)^9) + (9 \times (9 \times 9))) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11158 &:= 1 + (11111 + ((1 + 1) \times (1 + 11 + 11))) \\
&:= 2 + (((22 \times (22^2 + 22)) + 22) + 2) \\
&:= ((3^3 \times 3)/3) + (((3^3 - 3)^3) - 33)/3 \\
&:= 4 + ((4 - 444)/4 + 4^4 \times 44) \\
&:= ((5 + 5)/5) \times ((5555 - 5/5) + 5 \times 5) \\
&:= 6 \times 6 + (66666/6 + (66/6)) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) - 7)) - (7 + 7) \\
&:= ((8 + 8)/8) \times ((8 \times (8 \times 88) - 8)) + (88/8) \\
&:= 9 \times 9 + ((99/9) \times ((999 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11159 &:= 11111 + ((1 + 1) \times ((1 + 1) \times (1 + 11))) \\
&:= (2 \times (22 + 2)) + (22222/2) \\
&:= (3 \times 3^3) + ((33333/3) - 33) \\
&:= 4 + ((44444/4) + 44) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5) - (5 + 5))) \\
&:= 6 + ((66666/6 + (6 \times 6)) + 6) \\
&:= 7 \times 7 + ((77777/7) - 7/7) \\
&:= 8 \times 8 + ((88888/8) - (8 + 8)) \\
&:= (9 \times (((9 + 9)/9)^9) + (9 \times (9 \times 9))) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11160 &:= (11 - 1) \times (1 + (1 + (1 + (1 + 1 + 1111)))) \\
&:= (22^{2/2+2}) + (2^{(2/2+2)^2}) \\
&:= (33 \times (333 + 3 + 3)) - 3^3 \\
&:= (44 + 4/4) \times (4^4 - (4 + 4)) \\
&:= (5 + 5) \times (5555/5 + 5) \\
&:= (6 - 66) \times ((6 \times (6 - 6 \times 6)) - 6) \\
&:= 7 \times 7 + (77777/7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) - 8)) + 8) + 8 \\
&:= (9 + 9) \times (((((9 + 9)/9)^9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11161 &:= 11111 + (((11-1)^{1+1})/(1+1)) \\
&:= 2 + ((22222/2) + (2 \times (22+2))) \\
&:= 3/3 + (((33 \times (333+3+3)) - 3^3) \\
&:= 4 + ((4^4 \times 44 - 444/4) + 4) \\
&:= 55 + (55555/5 - 5) \\
&:= 6/6 + ((6-66) \times ((6 \times (6-6 \times 6)) - 6)) \\
&:= 7/7 + (((77777/7) + (7 \times 7)) \\
&:= 8 + ((8 \times (88 \times (8+8))) - (888/8)) \\
&:= 9 + ((9 \times ((9+9) \times ((9 \times 9) - 9))) - (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11162 &:= 1 + (11111 + (((11-1)^{1+1})/(1+1))) \\
&:= 2 + ((22^{2/2+2}) + (2^{(2/2+2)^2})) \\
&:= 3^3 + (((33333/3) - 3) + 3^3) \\
&:= 4 + (((4-444)/4 + 4^4 \times 44) + 4) \\
&:= 55 + ((55555/5 - 5) + 5/5) \\
&:= ((6+6)/6) + ((6-66) \times ((6 \times (6-6 \times 6)) - 6)) \\
&:= 7 \times 7 + (((77777/7) + (7+7)/7) \\
&:= 8 + (((8-888)/8) + (8 \times (88 \times (8+8)))) \\
&:= (9 \times (9+9)) + (((99/9) \times (999+9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11163 &:= (1+1+1) \times (((1+(11^{1+1}))/((1+1)^{1+1})) \\
&:= (2/2+2) \times (((2^{2+2+2}) - (2/2+2))^2) \\
&:= 3 \times (((3/3+3)^3) - 3)^{3-3/3} \\
&:= 4 + (((44444/4) + 44) + 4) \\
&:= 55 + (((5+5)/5) \times (5555 - 5/5)) \\
&:= (((6+6)/6)^6) + (66666/6 - (6+6)) \\
&:= ((7+7+7) \times ((7 \times 77) - 7)) - ((7+7)/7+7) \\
&:= 8 + (((8+8) \times ((8 \times 88) - 8)) + (88/8) + 8) \\
&:= 9 \times 9 + (((999/9) \times (9/9+99)) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11164 &:= (11 \times (1 + ((1+1)^{11-1}))) - 111 \\
&:= 2 \times ((22 \times ((2^{2 \times (2+2)} - 2)) - (2+2+2)) \\
&:= 3/3 + (3 \times (((3/3+3)^3) - 3)^{3-3/3}) \\
&:= 4 + ((44+4/4) \times (4^4 - (4+4))) \\
&:= 5 + ((55/5 \times (((5-5/5)^5) - (5+5))) + 5) \\
&:= (((66-6)/6) \times ((6666/6) + 6)) - 6 \\
&:= ((7+7+7) \times ((7 \times 77) - 7)) - (7/7+7) \\
&:= 8 \times 8 + ((88888/8) - 88/8) \\
&:= 9 + (((99 - ((9+9)/9)) + 9)^{(9+9)/9}) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11165 &:= 11 \times (1 + (1 + (((1+1)^{11-1}) - 11))) \\
&:= (22/2) \times (((2^{22/2}) - 22)/2 + 2) \\
&:= 3^3 + ((33333/3) + 3^3) \\
&:= (44/4) \times ((4 \times 4^4) - ((4/4+4) + 4)) \\
&:= 5 + ((5+5) \times (5555/5 + 5)) \\
&:= 66 + (66666/6 - (6+6)) \\
&:= ((7+7+7) \times ((7 \times 77) - 7)) - 7 \\
&:= (88/8) \times ((8 \times (8 \times (8+8))) - (8/8+8)) \\
&:= (99/9) \times (((9+9)/9)^{9/9+9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11166 &:= 11111 + ((111-1)/(1+1)) \\
&:= (2 \times ((22 \times ((2^{2 \times (2+2)} - 2)) - (2+2))) - 2) \\
&:= 3 + (3 \times (((3/3+3)^3) - 3)^{3-3/3}) \\
&:= 44 + ((44444/4) + 44/4) \\
&:= 55 + (55555/5) \\
&:= 6 + ((6-66) \times ((6 \times (6-6 \times 6)) - 6)) \\
&:= 7/7 + (((7+7+7) \times ((7 \times 77) - 7)) - 7) \\
&:= 8 \times 8 + ((88888/8) - (8/8+8)) \\
&:= 9/9 + ((99/9) \times (((9+9)/9)^{9/9+9}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11167 &:= 11111 + ((1+111)/(1+1)) \\
&:= ((222/2)^2) - ((2 \times ((22+2)^2)) + 2) \\
&:= ((3^3 \times 3)/3) + (((3^3 - 3)^3) + 3)/3 - 3) \\
&:= 4^4 + ((44 \times (4^4 - (4+4))) - 4/4) \\
&:= 55 + (55555/5 + 5/5) \\
&:= 6 + (((6-66) \times ((6 \times (6-6 \times 6)) - 6)) + 6/6) \\
&:= 7 + (((77777/7) + (7 \times 7)) \\
&:= 8 \times 8 + ((88888/8) - 8) \\
&:= (9 \times (((9+9)/9)^9) + (9 \times (9 \times 9))) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11168 &:= 1 + (11111 + ((1+111)/(1+1))) \\
&:= 2 \times ((22 \times ((2^{2 \times (2+2)} - 2)) - (2+2)) \\
&:= ((3^3 \times 3)/3) + (((3^3 - 3)^3) - 3)/3) \\
&:= 4^4 + (44 \times (4^4 - (4+4))) \\
&:= 55 + (55555/5 + ((5+5)/5)) \\
&:= 6 + (((6-66) \times ((6 \times (6-6 \times 6)) - 6)) + ((6+6)/6)) \\
&:= 7 + (((77777/7) + (7 \times 7)) + 7/7) \\
&:= (8 \times (88 \times (8+8))) - (88+8) \\
&:= (9 \times (((9+9)/9)^9) + (9 \times (9 \times 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11169 &:= 1 + (1 + (11111 + ((1+111)/(1+1)))) \\
&:= ((222/2)^2) - (2 \times ((22+2)^2)) \\
&:= (3 \times 3^3) + (33 \times (333+3)) \\
&:= ((4-4/4)^4) + (44 \times (4^4 - 4)) \\
&:= ((5+5) \times (((5555+5)/5) + 5)) - 5/5 \\
&:= (((6+6)/6)^6) + (66666/6 - 6) \\
&:= ((7+7+7)/7) \times ((7 \times ((7 \times 77) - 7)) - 7/7) \\
&:= 8/8 + ((8 \times (88 \times (8+8))) - (88+8)) \\
&:= 9 \times (((9+9)/9)^9) + (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11170 &:= (11-1) \times (1111 + ((1+1) \times (1+1+1))) \\
&:= (2 \times ((22 \times ((2^{2 \times (2+2)} - 2)) - 2)) - 2) \\
&:= ((3^3 \times 3)/3) + (((3^3 - 3)^3) + 3)/3) \\
&:= 4 \times 4 + ((4-444)/4 + 4^4 \times 44) \\
&:= (5+5) \times (((5555+5)/5) + 5) \\
&:= ((66-6)/6) \times ((6666/6) + 6) \\
&:= ((7+7+7) \times ((7 \times 77) - 7)) - ((7+7)/7) \\
&:= ((8+8)/8) + ((8 \times (88 \times (8+8))) - (88+8)) \\
&:= 9/9 + (9 \times (((9+9)/9)^9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11171 &:= 11111 + (((11^{1+1}) - 1)/(1 + 1)) \\
&:= 2 + (((222/2)^2) - (2 \times ((22 + 2)^2))) \\
&:= 3^3 + ((33333/3) + 33) \\
&:= 4 \times 4 + ((44444/4) + 44) \\
&:= 5 + (55555/5 + 55) \\
&:= 66 + (66666/6 - 6) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) - 7)) - 7/7 \\
&:= 8 + (((((8 + 8) \times ((8 \times 88) - 8)) + (88/8)) + 8) + 8) \\
&:= ((9 + 9)/9) + (9 \times (((9 + 9)/9)^9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11172 &:= 11111 + ((1 + (11^{1+1}))/ (1 + 1)) \\
&:= 2 \times ((22 \times ((2^{2 \times (2+2)}) - 2)) - 2) \\
&:= 3 + ((33 \times (333 + 3)) + (3 \times 3^3)) \\
&:= (44 \times (4^4 - (4 + 4)/4)) - 4 \\
&:= 5 + ((55555/5 + 55) + 5/5) \\
&:= 6 + (((6 - 66) \times ((6 \times (6 - 6 \times 6)) - 6)) + 6) \\
&:= (7 + 7 + 7) \times ((7 \times 77) - 7) \\
&:= (8 \times (88 \times (8 + 8))) - ((8 \times 8/(8 + 8)) + 88) \\
&:= 9 \times 9 + (((999/9) \times (9/9 + 99)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11173 &:= 1 + (11111 + ((1 + (11^{1+1}))/ (1 + 1))) \\
&:= 2/2 + (2 \times ((22 \times ((2^{2 \times (2+2)}) - 2)) - 2)) \\
&:= 3 + (((((3^3 - 3)^3) + 3)/3) + ((3^3 \times 3)/3)) \\
&:= 4 + ((44 \times (4^4 - 4)) + ((4 - 4/4)^4)) \\
&:= 5 + ((55555/5 + ((5 + 5)/5)) + 55) \\
&:= 6 + (((6 - 66) \times ((6 \times (6 - 6 \times 6)) - 6)) + 6/6) + 6 \\
&:= 7/7 + ((7 + 7 + 7) \times ((7 \times 77) - 7)) \\
&:= 8 + ((88/8) \times ((8 \times (8 \times (8 + 8))) - (8/8 + 8))) \\
&:= 99 + ((99 - 9/9) \times (((999 + 9) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11174 &:= 11111 + ((1 + 1 + 1) \times (11 + (11 - 1))) \\
&:= (2 \times (22 \times ((2^{2 \times (2+2)}) - 2))) - 2 \\
&:= 3 + (((33333/3) + 33) + 3^3) \\
&:= ((4^4 - 4)/4) + (44444/4) \\
&:= ((5 + 5)/5) \times (5555 + (((5 + 5)/5)^5)) \\
&:= 66 + (66666/6 - (6 \times 6/(6 + 6))) \\
&:= 7 + (((77777/7) + (7 \times 7)) + 7) \\
&:= 8 \times 8 + ((88888/8) - 8/8) \\
&:= 9 \times 9 + ((99999/9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11175 &:= 11111 + ((1 + 1)^{(1+1) \times (1+1+1)}) \\
&:= (2^{2+2+2}) + (22222/2) \\
&:= (3^3 \times ((3 \times 3^3) + 333)) - 3 \\
&:= (4 \times (4 \times 4)) + (44444/4) \\
&:= 5 \times (((5 - 5/5) \times (555 + 5)) - 5) \\
&:= (((6 + 6)/6)^6) + (66666/6) \\
&:= (((7 + 7 + 7)/7) + ((7 + 7 + 7) \times ((7 \times 77) - 7))) \\
&:= 8 \times 8 + (88888/8) \\
&:= 9/9 + (((99999/9) - (9 + 9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11176 &:= 11 \times (1 + (1 + (1 + (((1 + 1)^{11-1}) - 1)))) \\
&:= 2 \times (22 \times ((2^{2 \times (2+2)}) - 2)) \\
&:= (33 \times (333 + 3 + 3)) - (33/3) \\
&:= 44 \times (4^4 - (4 + 4)/4) \\
&:= 5^5 + (((5/5 + 5)^5) + (5 \times 55)) \\
&:= 66 + (66666/6 - 6/6) \\
&:= (77/7) + (((7 + 7 + 7) \times ((7 \times 77) - 7)) - 7) \\
&:= 88 \times ((8 \times (8 + 8)) - 8/8) \\
&:= (99/9) \times (((999 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11177 &:= 11111 + ((1 + 1) \times (11 \times (1 + 1 + 1))) \\
&:= 2/2 + (2 \times (22 \times ((2^{2 \times (2+2)}) - 2))) \\
&:= 33 + ((33333/3) + 33) \\
&:= 4/4 + (44 \times (4^4 - (4 + 4)/4)) \\
&:= 55 + (55555/5 + (55/5)) \\
&:= 66 + (66666/6) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) - 7)) - ((7 + 7)/7)) \\
&:= 8/8 + (88 \times ((8 \times (8 + 8)) - 8/8)) \\
&:= (9 \times ((9 \times (9 + 9 + 9)) + 999)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11178 &:= (11 - 1 - 1) \times ((11 \times (1 + (1 + 111))) - 1) \\
&:= (22 + 2/2) \times (22^2 + 2) \\
&:= 3^3 \times ((3 \times 3^3) + 333) \\
&:= ((4 + 4)/4) + (44 \times (4^4 - (4 + 4)/4)) \\
&:= (((5^5 + 5)/5) - 5) \times (((55 + 5 + 5)/5) + 5) \\
&:= 66 + (66666/6 + 6/6) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) - 7)) - 7/7) \\
&:= ((8 + 8)/8) + (88 \times ((8 \times (8 + 8)) - 8/8)) \\
&:= 9 \times ((9 \times (9 + 9 + 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11179 &:= 1 + ((11 - 1 - 1) \times ((11 \times (1 + (1 + 111))) - 1)) \\
&:= 2/2 + ((22 + 2/2) \times (22^2 + 2)) \\
&:= 3/3 + (3^3 \times ((3 \times 3^3) + 333)) \\
&:= 4^4 \times 44 - (((4 - 4/4)^4) + 4) \\
&:= 5 \times 5 + (55/5 \times (((5 - 5/5)^5) - (5 + 5))) \\
&:= 66 + (66666/6 + ((6 + 6)/6)) \\
&:= 7 + ((7 + 7 + 7) \times ((7 \times 77) - 7)) \\
&:= 88/8 + ((8 \times (88 \times (8 + 8))) - (88 + 8)) \\
&:= 9/9 + (9 \times ((9 \times (9 + 9 + 9)) + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11180 &:= (11 - 1) \times (((11 - 1) \times (1 + 111)) - (1 + 1)) \\
&:= 2 + ((22 + 2/2) \times (22^2 + 2)) \\
&:= 3 + (((33333/3) + 33) + 33) \\
&:= (4^4 + 4) \times (44 - 4/4) \\
&:= (5 - 5/5) \times ((5 \times (555 + 5)) - 5) \\
&:= (((66 - 6)/6) \times (((6666 + 6)/6) + 6)) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) - 7)) + 7/7) \\
&:= (8 \times 8/(8 + 8)) + (88 \times ((8 \times (8 + 8)) - 8/8)) \\
&:= 9 \times 9 + ((99/9) \times ((999 + 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11181 &:= 1 + ((11 - 1) \times (((11 - 1) \times (1 + 111)) - (1 + 1))) \\
&:= 2 + (((22 + 2/2) \times (22^2 + 2)) + 2/2) \\
&:= 3 + (3^3 \times ((3 \times 3^3) + 333)) \\
&:= 4/4 + ((4^4 + 4) \times (44 - 4/4)) \\
&:= 5 + (((5/5 + 5)^5) + (5 \times 55)) + 5^5 \\
&:= 6 + (66666/6 + (((6 + 6)/6)^6)) \\
&:= 77 + ((77777/7) - 7) \\
&:= (8 \times ((88 \times (8 + 8)) - 8)) - ((88/8) + 8) \\
&:= 9 \times 9 + ((999/9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11182 &:= 11111 + (((1 + 11)^{1+1})/(1 + 1)) - 1 \\
&:= 2 + (((22 + 2/2) \times (22^2 + 2)) + 2) \\
&:= 3 + ((3^3 \times ((3 \times 3^3) + 333)) + 3/3) \\
&:= ((4 + 4)/4) + ((4^4 + 4) \times (44 - 4/4)) \\
&:= 5 + (((5/5 + 5)^5) + (5 \times 55)) + 5^5 + 5/5 \\
&:= 6 + ((66666/6 - 6/6) + 66) \\
&:= 7/7 + (((77777/7) - 7) + 77) \\
&:= 8 + (((88888/8) - 8/8) + (8 \times 8)) \\
&:= 9 \times 9 + ((99999/9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11183 &:= 11111 + (((1 + 11)^{1+1})/(1 + 1)) \\
&:= (2 \times ((2 + 2 + 2)^2)) + (22222/2) \\
&:= (3 \times (3^3 - 3)) + (33333/3) \\
&:= 4^4 \times 44 - ((4 - 4/4)^4) \\
&:= 5 + (((5^5 + 5)/5) - 5) \times (((55 + 5 + 5)/5) + 5) \\
&:= 6 + (66666/6 + 66) \\
&:= (77/7) + ((7 + 7 + 7) \times ((7 \times 77) - 7)) \\
&:= 8 + ((88888/8) + (8 \times 8)) \\
&:= 9 \times 9 + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11184 &:= 1 + (11111 + (((1 + 11)^{1+1})/(1 + 1))) \\
&:= (22 + 2) \times (2 \times 222 + 22) \\
&:= (33 \times (333 + 3 + 3)) - 3 \\
&:= (44 \times (4^4 + 4)) - 4^4 \\
&:= (55/5 \times (((5 - 5/5)^5) - 5)) - (5 \times 5) \\
&:= (((66/6) + 6) \times (666 - 6)) - (6 \times 6) \\
&:= ((77 + 7)/7) + ((7 + 7 + 7) \times ((7 \times 77) - 7)) \\
&:= 8 + (88 \times ((8 \times (8 + 8)) - 8/8)) \\
&:= 9/9 + (((99999/9) - 9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11185 &:= 11111 + ((1 + 1) \times (111/(1 + 1 + 1))) \\
&:= 2/2 + ((22 + 2) \times (2 \times 222 + 22)) \\
&:= 3/3 + ((33 \times (333 + 3 + 3)) - 3) \\
&:= 4/4 + ((44 \times (4^4 + 4)) - 4^4) \\
&:= 5 + ((5 - 5/5) \times ((5 \times (555 + 5)) - 5)) \\
&:= 6 + ((66666/6 + ((6 + 6)/6)) + 66) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) - 7)) - 7/7) + 7 \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8/8)) + 8/8) \\
&:= 9 + ((99/9) \times (((999 - 9/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11186 &:= (11 \times (1111 - 1)) - ((1 + 1)^{11-1}) \\
&:= 2 + ((22 + 2) \times (2 \times 222 + 22)) \\
&:= (33 \times (333 + 3 + 3)) - 3/3 \\
&:= ((4 + 4)/4) + ((44 \times (4^4 + 4)) - 4^4) \\
&:= (5 \times (5 + 5 + 5)) + (55555/5) \\
&:= ((66/6) + 6) \times (666 - ((6 + 6)/6 + 6)) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) - 7)) + 7) \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8/8)) + ((8 + 8)/8)) \\
&:= (99 \times (((999 + 9) + 9)/9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11187 &:= 11 \times ((11 - 1 - 1) \times (1 + (1 + 111))) \\
&:= (22/2) + (2 \times (22 \times ((2^{2 \times (2+2)} - 2))) \\
&:= 33 \times (333 + 3 + 3) \\
&:= 4 + ((4^4 \times 44) - ((4 - 4/4)^4)) \\
&:= (55/5) \times (((5 - 5/5)^5) - (((5 + 5)/5) + 5)) \\
&:= 6 + ((66666/6 + (((6 + 6)/6)^6)) + 6) \\
&:= 77 + ((77777/7) - 7/7) \\
&:= 88/8 + (88 \times ((8 \times (8 + 8)) - 8/8)) \\
&:= 99 \times (((999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11188 &:= 1 + (11 \times ((11 - 1 - 1) \times (1 + (1 + 111)))) \\
&:= 2 + (((22 + 2) \times (2 \times 222 + 22)) + 2) \\
&:= 3/3 + (33 \times (333 + 3 + 3)) \\
&:= 4 + ((44 \times (4^4 + 4)) - 4^4) \\
&:= ((5 \times 5 - 5) \times (555 + 5)) - ((55 + 5)/5) \\
&:= 66 + (66666/6 + (66/6)) \\
&:= 77 + (77777/7) \\
&:= (8 \times ((88 \times (8 + 8)) - 8)) - ((88 + 8)/8) \\
&:= 9/9 + (99 \times (((999 + 9) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11189 &:= ((1 + 111) \times ((11 - 1)^{1+1})) - 11 \\
&:= (22/2) + ((22 + 2/2) \times (22^2 + 2)) \\
&:= 3 + ((33 \times (333 + 3 + 3)) - 3/3) \\
&:= 4^4 \times 44 - (44 + 4^4)/4 \\
&:= ((5 \times 5 - 5) \times (555 + 5)) - (55/5) \\
&:= 6 + ((66666/6 + 66) + 6) \\
&:= 7/7 + ((77777/7) + 77) \\
&:= (8 \times ((88 \times (8 + 8)) - 8)) - (88/8) \\
&:= ((9 + 9)/9) + (99 \times (((999 + 9) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11190 &:= (11 - 1) \times (((11 - 1) \times (1 + 111)) - 1) \\
&:= (2/2 + 2 + 2) \times (2222 + (2^{2+2})) \\
&:= 3 + (33 \times (333 + 3 + 3)) \\
&:= 4^4 \times 44 + ((4 - (44 + 4^4))/4) \\
&:= ((5 \times 5 - 5) \times (555 + 5)) - (5 + 5) \\
&:= (6 \times (((6 - 6 \times 6) \times (6 - 66)) + 66)) - 6 \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) - 7)) + (77/7)) \\
&:= ((8 - 88)/8) + (8 \times ((88 \times (8 + 8)) - 8)) \\
&:= (9/9 + 9) \times (((9999 - 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11191 &:= 1 + ((11 - 1) \times (((11 - 1) \times (1 + 111)) - 1)) \\
&:= (2 \times (2 \times (22 - 2))) + (22222/2) \\
&:= 3 + ((33 \times (333 + 3 + 3)) + 3/3) \\
&:= 4 + (((4^4 \times 44) - ((4 - 4/4)^4)) + 4) \\
&:= 5 \times 5 + (55555/5 + 55) \\
&:= ((6 \times 6 - 6) + 6/6) \times ((6 \times (66 - 6)) + 6/6) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - (((7 + 7)/7)^7) \\
&:= 88 + ((88888/8) - 8) \\
&:= 9 \times 9 + ((9/9 + 9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11192 &:= 11111 + ((11 - 1 - 1)^{1+1}) \\
&:= 2 \times (2 \times (2222 + (22 + 2)^2)) \\
&:= (3 \times 3^3) + (33333/3) \\
&:= 4 + (((44 \times (4^4 + 4)) - 4^4) + 4) \\
&:= (5 - 5/5) \times ((5 \times (555 + 5)) - ((5 + 5)/5)) \\
&:= 6 + (((66/6) + 6) \times (666 - ((6 + 6)/6 + 6))) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) - 7)) - (7/7 + 77) \\
&:= (8 \times ((88 \times (8 + 8)) - 8)) - 8 \\
&:= 9 \times 9 + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11193 &:= 1 + (11111 + ((11 - 1 - 1)^{1+1})) \\
&:= (22 - 2/2) \times (((22 + 2/2)^2) + 2) + 2) \\
&:= 3 + ((33 \times (333 + 3 + 3)) + 3) \\
&:= 4 + ((4^4 \times 44) - (44 + 4^4)/4) \\
&:= ((5 \times 5 - 5) \times (555 + 5)) - (((5 + 5)/5) + 5) \\
&:= 6 + (((66666/6 + (((6 + 6)/6)^6)) + 6) + 6) \\
&:= (7 + 7 + 7) \times (((7 \times 77) - 7) + 7/7) \\
&:= 8/8 + ((8 \times ((88 \times (8 + 8)) - 8)) - 8) \\
&:= 9/9 + ((99999/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11194 &:= 1 + (1 + (11111 + ((11 - 1 - 1)^{1+1}))) \\
&:= 2 + (2 \times (2 \times (2222 + (22 + 2)^2))) \\
&:= 3 + (((33 \times (333 + 3 + 3)) + 3/3) + 3) \\
&:= 4^4 \times 44 - (((4^4 + 4 + 4)/4) + 4) \\
&:= ((5 \times 5 - 5) \times (555 + 5)) - (5/5 + 5) \\
&:= 6 + ((66666/6 + (66/6)) + 66) \\
&:= 7 + (((77777/7) - 7/7) + 77) \\
&:= ((8 + 8)/8) + ((8 \times ((88 \times (8 + 8)) - 8)) - 8) \\
&:= 9 \times 9 + ((99999/9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11195 &:= (11 \times 1111) - (1 + (1 + ((1 + 1)^{11-1}))) \\
&:= (2 \times (2 \times 22 - 2)) + (22222/2) \\
&:= 3 + ((33333/3) + (3 \times 3^3)) \\
&:= 4^4 \times 44 - (((4^4 + 4)/4) + 4) \\
&:= ((5 \times 5 - 5) \times (555 + 5)) - 5 \\
&:= 6 + (((66666/6 + 66) + 6) + 6) \\
&:= 7 + ((77777/7) + 77) \\
&:= 8 + ((88 \times ((8 \times (8 + 8)) - 8/8)) + (88/8)) \\
&:= (((9 + 9)/9)^9) + ((99 \times (99 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11196 &:= (11 - 1 - 1) \times (1 + (11 \times (1 + (1 + 111)))) \\
&:= 2 \times (((22 - 2)^2) \times (2^{2+2} - 2)) - 2) \\
&:= 3 \times 3 + (33 \times (333 + 3 + 3)) \\
&:= 4^4 \times 44 - ((4 \times (4 \times 4)) + 4) \\
&:= 5/5 + (((5 \times 5 - 5) \times (555 + 5)) - 5) \\
&:= 6 \times (((6 - 6 \times 6) \times (6 - 66)) + 66) \\
&:= 7 + (((77777/7) + 77) + 7/7) \\
&:= (8 \times ((88 \times (8 + 8)) - 8)) - (8 \times 8/(8 + 8)) \\
&:= 9 + (99 \times (((999 + 9) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11197 &:= (11 \times 1111) - ((1 + 1)^{11-1}) \\
&:= ((2 \times 22)^2) + ((22 - 2/2)^{2/2+2}) \\
&:= 3 \times 3 + ((33 \times (333 + 3 + 3)) + 3/3) \\
&:= ((4 - 4^4)/4) + (4^4 \times 44 - 4) \\
&:= ((5 + 5)/5) + (((5 \times 5 - 5) \times (555 + 5)) - 5) \\
&:= 6/6 + (6 \times (((6 - 6 \times 6) \times (6 - 66)) + 66)) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) - 7)) + (77/7)) + 7) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) - 8)) - 88/8) \\
&:= 9 + ((99 \times (((999 + 9) + 9)/9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11198 &:= 11 \times (((1 + 1)^{11}) - (1 + 11))/(1 + 1) \\
&:= 22 + (2 \times (22 \times ((2^{2 \times (2+2)} - 2))) \\
&:= (33/3) + (33 \times (333 + 3 + 3)) \\
&:= 4^4 \times 44 - ((4^4 + 4 + 4)/4) \\
&:= (55/5) \times (((5 - 5/5)^5) - (5/5 + 5)) \\
&:= (66/6) \times (((6 + 6)/6)^{(66-6)/6}) - 6) \\
&:= 7 + ((7 \times (77 \times (7 + 7 + 7))) - (((7 + 7)/7)^7)) \\
&:= (8 \times ((88 \times (8 + 8)) - 8)) - ((8 + 8)/8) \\
&:= (99/9) \times (((999 + 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11199 &:= ((1 + 111) \times ((11 - 1)^{1+1})) - 1 \\
&:= (2 \times 2 \times 22) + (22222/2) \\
&:= 3 + ((33 \times (333 + 3 + 3)) + 3 \times 3) \\
&:= 4^4 \times 44 - ((4^4 + 4)/4) \\
&:= ((5 \times 5 - 5) \times (555 + 5)) - 5/5 \\
&:= (666/6) + (66 \times ((6 \times 6 + 66) + 66)) \\
&:= 77 + ((77777/7) + (77/7)) \\
&:= 88 + (88888/8) \\
&:= 99 + ((999/9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11200 &:= (1 + 111) \times ((11 - 1)^{1+1}) \\
&:= 2 \times (((22 - 2)^2) \times (2^{2+2} - 2)) \\
&:= ((3 \times 33) + 3/3) \times ((333 + 3)/3) \\
&:= 4 \times (4 \times (444 + 4^4)) \\
&:= (5 \times 5 - 5) \times (555 + 5) \\
&:= (6 - 6/6) \times (((6 \times 6) - 6/6) \times (((6 + 6)/6)^6)) \\
&:= (77 - 7) \times ((777/7) + (7 \times 7)) \\
&:= 8 \times ((88 \times (8 + 8)) - 8) \\
&:= (9/9 + 9) \times (9999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11201 &:= 1 + ((1 + 111) \times ((11 - 1)^{1+1})) \\
&:= (22 + 2/2) \times ((22^2 + 2/2) + 2) \\
&:= (3 \times (3^3 + 3)) + (33333/3) \\
&:= ((4 - 4^4)/4) + (4^4 \times 44) \\
&:= 5/5 + ((5 \times 5 - 5) \times (555 + 5)) \\
&:= 6 + (((66666/6 + 66) + 6) + 6) + 6 \\
&:= 7/7 + ((77 - 7) \times ((777/7) + (7 \times 7))) \\
&:= 8/8 + (8 \times ((88 \times (8 + 8)) - 8)) \\
&:= 9 + ((99999/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11202 &:= 1 + (1 + ((1 + 111) \times ((11 - 1)^{1+1}))) \\
&:= 2 + (2 \times (((22 - 2)^2) \times (2^{2+2} - 2))) \\
&:= ((3 + 3)^3) + ((33 \times 333) - 3) \\
&:= 4^4 \times 44 + (((4 - 4^4) + 4)/4) \\
&:= ((5 + 5)/5) + ((5 \times 5 - 5) \times (555 + 5)) \\
&:= 6 + (6 \times (((6 - 6 \times 6) \times (6 - 66)) + 66)) \\
&:= 7 + (((77777/7) + 77) + 7) \\
&:= ((8 + 8)/8) + (8 \times ((88 \times (8 + 8)) - 8)) \\
&:= ((999/9) \times (((9 + 9)/9) + 99)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11203 &:= ((11 \times (((1 + 1)^{11}) - 11) - 1)/(1 + 1)) \\
&:= 2 + ((22 + 2/2) \times ((22^2 + 2/2) + 2)) \\
&:= 3 + (((3 \times 33) + 3/3) \times ((333 + 3)/3)) \\
&:= 4 + ((4^4 \times 44) - ((4^4 + 4)/4)) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5) - (5/5 + 5))) \\
&:= ((66/6) + 6) \times (666 - (6/6 + 6)) \\
&:= 7 + (((77777/7) + 77) + 7/7) + 7) \\
&:= 88/8 + ((8 \times ((88 \times (8 + 8)) - 8)) - 8) \\
&:= 9 \times 9 + ((99999/9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11204 &:= (1 + (11 \times (((1 + 1)^{11}) - 11)))/(1 + 1) \\
&:= 2 \times (((22 - 2)^2) \times (2^{2+2} - 2) + 2) \\
&:= ((3 + 3)^3) + ((33 \times 333) - 3/3) \\
&:= 4 + (4 \times (4 \times (444 + 4^4))) \\
&:= (55/5 \times (((5 - 5/5)^5) - 5)) - 5 \\
&:= 6 + ((66/6) \times (((6 + 6)/6)^{(66-6)/6} - 6)) \\
&:= ((777/7) \times (7777/77)) - 7 \\
&:= (8 \times 8/(8 + 8)) + (8 \times ((88 \times (8 + 8)) - 8)) \\
&:= (((9 + 9)/9)^9) + (99 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11205 &:= 1 + ((1 + (11 \times (((1 + 1)^{11}) - 11)))/(1 + 1)) \\
&:= ((222/2 - 2)^2) - ((22 + 2 + 2)^2) \\
&:= ((3 + 3)^3) + (33 \times 333) \\
&:= 4 + (((4 - 4^4)/4) + (4^4 \times 44)) \\
&:= 5 + ((5 \times 5 - 5) \times (555 + 5)) \\
&:= ((666/6) \times ((66 - 6/6) + (6 \times 6))) - 6 \\
&:= ((77 - 7/7) + 7) \times (((7 + 7)/7)^7) + 7) \\
&:= 8 + (((8 \times ((88 \times (8 + 8)) - 8)) - 88/8) + 8) \\
&:= 9 + ((99 \times ((999 + 9) + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11206 &:= 1 + (1 + ((1 + (11 \times (((1 + 1)^{11}) - 11)))/(1 + 1))) \\
&:= 2 + (2 \times (((22 - 2)^2) \times (2^{2+2} - 2) + 2)) \\
&:= 3/3 + ((33 \times 333) + ((3 + 3)^3)) \\
&:= 4 + (((4 - 4^4) + 4)/4) + (4^4 \times 44) \\
&:= 5 + (((5 \times 5 - 5) \times (555 + 5)) + 5/5) \\
&:= 6 + ((6 - 6/6) \times (((6 \times 6) - 6/6) \times (((6 + 6)/6)^6))) \\
&:= 7777 + ((7 \times (7 \times (77 - 7))) - 7/7) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) - 8)) - ((8 + 8)/8)) \\
&:= (((9 - 9/9) + 9) + 9) \times (((9 + 9)/9)^9) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11207 &:= (111^{1+1}) - (1 + (1 + 1 + 1111)) \\
&:= (2 \times (2 \times (22 + 2))) + (22222/2) \\
&:= (3 \times 33) + ((33333/3) - 3) \\
&:= 4 + (((4^4 \times 44) - ((4^4 + 4)/4) + 4) \\
&:= 5 + (((5 \times 5 - 5) \times (555 + 5)) + ((5 + 5)/5)) \\
&:= 6 \times 6 + ((66666/6 - 6) + 66) \\
&:= 7777 + (7 \times (7 \times (77 - 7))) \\
&:= 8 + ((88888/8) + 88) \\
&:= 9 + ((99/9) \times (((999 + 9/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11208 &:= (111^{1+1}) - (1 + 1 + 1111) \\
&:= 2 \times (((22 - 2)^2) \times (2^{2+2} - 2) + 2) + 2) \\
&:= 3 + ((33 \times 333) + ((3 + 3)^3)) \\
&:= 4 + ((4 \times (4 \times (444 + 4^4))) + 4) \\
&:= (55/5 \times (((5 - 5/5)^5) - 5)) - 5/5 \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - (666 + 6) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - (777/7) \\
&:= 8 + (8 \times ((88 \times (8 + 8)) - 8)) \\
&:= 9 + (((999/9) \times (9/9 + 99)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11209 &:= (111^{1+1}) - (1 + 1111) \\
&:= (22/2) \times (((2^{22/2}) - 2)/2) - (2 + 2) \\
&:= 3 + (((33 \times 333) + ((3 + 3)^3)) + 3/3) \\
&:= (44/4) \times ((4 \times 4^4) - (4/4 + 4)) \\
&:= (55/5) \times (((5 - 5/5)^5) - 5) \\
&:= 6 + (((66/6) + 6) \times (666 - (6/6 + 6))) \\
&:= (7 \times (7 + 7)) + (77777/7) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) - 8)) + 8/8) \\
&:= 9 + ((9/9 + 9) \times (9999/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11210 &:= (111^{1+1}) - 1111 \\
&:= ((222/2)^2) - (2222/2) \\
&:= (3 \times 33) + (33333/3) \\
&:= ((4 - 44)/4) + (44 \times (4^4 - 4/4)) \\
&:= 5 + (((5 \times 5 - 5) \times (555 + 5)) + 5) \\
&:= ((6 - 66)/6) + (((66/6) + 6) \times (666 - 6)) \\
&:= 7/7 + ((77777/7) + (7 \times (7 + 7))) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) - 8)) + ((8 + 8)/8)) \\
&:= 99 + (99999/9)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11211 &:= 111 \times (1 + ((11 - 1)^{1+1})) \\
 &:= (222/2) \times (2222/22) \\
 &:= 3 + (((33 \times 333) + ((3 + 3)^3)) + 3) \\
 &:= 4^4 \times 44 + ((44 - 4^4)/4) \\
 &:= (55/5) + ((5 \times 5 - 5) \times (555 + 5)) \\
 &:= (666/6) \times ((66 - 6/6) + (6 \times 6)) \\
 &:= (777/7) \times (7777/77) \\
 &:= 88/8 + (8 \times ((88 \times (8 + 8)) - 8)) \\
 &:= (999/9) \times (((9 + 9)/9) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11212 &:= 1 + (111 \times (1 + ((11 - 1)^{1+1}))) \\
 &:= 2 + (((222/2)^2) - (2222/2)) \\
 &:= 3 + (((33 \times 333) + ((3 + 3)^3)) + 3/3) + 3) \\
 &:= 4^4 \times 44 - ((44 + 4) + 4) \\
 &:= ((55 + 5)/5) + ((5 \times 5 - 5) \times (555 + 5)) \\
 &:= 6 \times 6 + ((66666/6 - 6/6) + 66) \\
 &:= 7 + (((77 - 7/7) + 7) \times (((7 + 7)/7)^7) + 7) \\
 &:= ((88 + 8)/8) + (8 \times ((88 \times (8 + 8)) - 8)) \\
 &:= 9/9 + ((999/9) \times (((9 + 9)/9) + 99))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11213 &:= 1 + (1 + (111 \times (1 + ((11 - 1)^{1+1})))) \\
 &:= 2 + ((222/2) \times (2222/22)) \\
 &:= 3 + ((33333/3) + (3 \times 33)) \\
 &:= 4 + ((44/4) \times ((4 \times 4^4) - (4/4 + 4))) \\
 &:= 5 + ((55/5 \times ((5 - 5/5)^5) - 5) - 5/5) \\
 &:= 6 \times 6 + (66666/6 + 66) \\
 &:= (7 \times 7 \times 7) + (((7 + 7) \times 777) - (7/7 + 7)) \\
 &:= 88 + (((8 + 8) \times ((8 \times 88) - 8)) - 88/8) \\
 &:= 9 + ((99 \times (99 + 9)) + (((9 + 9)/9)^9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11214 &:= 1 + (1 + (1 + (111 \times (1 + ((11 - 1)^{1+1})))))) \\
 &:= (((2 \times (2 \times (22 + 2 + 2))) + 2)^2) - 22 \\
 &:= 3^3 + (33 \times (333 + 3 + 3)) \\
 &:= ((4^4 - 4)/4) \times ((4 \times 44) + ((4 + 4)/4)) \\
 &:= 5 + (55/5 \times (((5 - 5/5)^5) - 5)) \\
 &:= (6 \times (66 \times (6 \times 6 - 6))) - 666 \\
 &:= (7 \times 7 \times 7) + (((7 + 7) \times 777) - 7) \\
 &:= (8/8 + 88) \times ((8 \times (8 + 8)) - ((8 + 8)/8)) \\
 &:= (9 + 9) \times ((999/9) + (((9 + 9)/9)^9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11215 &:= 1 + (1 + (1 + (1 + (111 \times (1 + ((11 - 1)^{1+1})))))) \\
 &:= 2 + (((222/2) \times (2222/22)) + 2) \\
 &:= 3^3 + ((33 \times (333 + 3 + 3)) + 3/3) \\
 &:= 4^4 \times 44 - ((44 + 4/4) + 4) \\
 &:= 5 + (((5 \times 5 - 5) \times (555 + 5)) + 5) + 5) \\
 &:= 6/6 + ((6 \times (66 \times (6 \times 6 - 6))) - 666) \\
 &:= 7 + ((7 \times (77 \times (7 + 7 + 7))) - (777/7)) \\
 &:= 8 + (((88888/8) + 88) + 8) \\
 &:= ((9 - 9/9) \times (((9 + 9)/9)^9) + (9 \times 99)) - 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11216 &:= 111 + (11111 - ((1 + 1) \times (1 + 1 + 1))) \\
 &:= 2 \times ((22 \times (2^{2 \times (2+2)})) - (22 + 2)) \\
 &:= 3 + (((33333/3) + (3 \times 33)) + 3) \\
 &:= 4^4 \times 44 - (44 + 4) \\
 &:= 5 + (((5 \times 5 - 5) \times (555 + 5)) + (55/5)) \\
 &:= (666/6) + (66666/6 - 6) \\
 &:= 7 + ((77777/7) + (7 \times (7 + 7))) \\
 &:= 8 + ((8 \times ((88 \times (8 + 8)) - 8)) + 8) \\
 &:= 9 + (((99/9) \times (((999 + 9/9) + 9) + 9)) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11217 &:= ((11 - 1) \times (11 + 1111)) - (1 + 1 + 1) \\
 &:= (22 \times ((2^{(2/2+2)^2}) - 2)) - (2/2 + 2) \\
 &:= (33 \times (((3/3 + 3 + 3)^3) - 3)) - 3 \\
 &:= 4/4 + ((4^4 \times 44) - (44 + 4)) \\
 &:= (555/5) + (55555/5 - 5) \\
 &:= 6 + ((666/6) \times ((66 - 6/6) + (6 \times 6))) \\
 &:= 7 + (((77777/7) + (7 \times (7 + 7))) + 7/7) \\
 &:= 8 + (((8 \times ((88 \times (8 + 8)) - 8)) + 8/8) + 8) \\
 &:= 9 + (((999/9) \times (9/9 + 99)) + 99) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11218 &:= ((11 - 1) \times (11 + 1111)) - (1 + 1) \\
 &:= (22 \times ((2^{(2/2+2)^2}) - 2)) - 2 \\
 &:= 3/3 + ((33 \times (((3/3 + 3 + 3)^3) - 3)) - 3) \\
 &:= 4^4 \times 44 - (((4 + 4)/4) + 44) \\
 &:= ((5 + 5)/5) \times ((5555 - 5/5) + 55) \\
 &:= (((66/6) + 6) \times (666 - 6)) - ((6 + 6)/6) \\
 &:= 7 + ((777/7) \times (7777/77)) \\
 &:= 8 + (((8 \times ((88 \times (8 + 8)) - 8)) + ((8 + 8)/8)) + 8) \\
 &:= 9 + (((9/9 + 9) \times (9999/9 + 9)) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11219 &:= ((11 - 1) \times (11 + 1111)) - 1 \\
 &:= (22 \times ((2^{(2/2+2)^2}) - 2)) - 2/2 \\
 &:= (3 \times (33 + 3)) + (33333/3) \\
 &:= 4^4 \times 44 - (44 + 4/4) \\
 &:= 5 + ((55/5 \times (((5 - 5/5)^5) - 5)) + 5) \\
 &:= (6 \times (6 + 6 + 6)) + (66666/6) \\
 &:= (7 \times 7 \times 7) + (((7 + 7) \times 777) - ((7 + 7)/7)) \\
 &:= 8 + ((8 \times ((88 \times (8 + 8)) - 8)) + (88/8)) \\
 &:= 9 + ((99999/9) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11220 &:= (11 - 1) \times (11 + 1111) \\
 &:= 22 \times ((2^{(2/2+2)^2}) - 2) \\
 &:= 33 \times (((3/3 + 3 + 3)^3) - 3) \\
 &:= 44 \times (4^4 - 4/4) \\
 &:= (5 + 5) \times ((5555 + 55)/5) \\
 &:= ((66/6) + 6) \times (666 - 6) \\
 &:= (7 \times 7 \times 7) + (((7 + 7) \times 777) - 7/7) \\
 &:= (8 \times (88 \times (8 + 8))) - (88/((8 + 8)/8)) \\
 &:= 9 + ((999/9) \times (((9 + 9)/9) + 99))
 \end{aligned}$$

$$\blacktriangleright 11221 := 111 + (11111 - 1)$$

$$:= 2/2 + (22 \times ((2^{(2/2+2)^2}) - 2))$$

$$:= 3/3 + (33 \times (((3/3 + 3 + 3)^3) - 3))$$

$$:= 4/4 + (44 \times (4^4 - 4/4))$$

$$:= 55 + (55555/5 + 55)$$

$$:= 6/6 + (((66/6) + 6) \times (666 - 6))$$

$$:= 7 \times ((77 \times (7 + 7 + 7)) - (7 + 7))$$

$$:= ((888 - 8)/8) + (88888/8)$$

$$:= 99 + ((99999/9) + (99/9))$$

$$\blacktriangleright 11226 := 1 + (1 + (1 + (1 + (111 + 11111))))$$

$$:= 2 + ((22^{2/2+2}) + (22 + 2)^2)$$

$$:= 3 + ((33 \times (((3/3 + 3 + 3)^3) - 3)) + 3)$$

$$:= 4 + ((44 \times (4^4 - 4/4)) + ((4 + 4)/4))$$

$$:= (((555/5) - 5)^{(5+5)/5}) - (5 + 5)$$

$$:= 6 + (((66/6) + 6) \times (666 - 6))$$

$$:= 7 + (((7 + 7) \times 777) - ((7 + 7)/7)) + (7 \times 7 \times 7)$$

$$:= 88 + (((8 + 8) \times ((8 \times 88) - 8)) + ((8 + 8)/8))$$

$$:= (((99 - ((9 + 9)/9)) + 9)^{(9+9)/9}) - (9/9 + 9)$$

$$\blacktriangleright 11222 := 111 + 11111$$

$$:= 2 + (22 \times ((2^{(2/2+2)^2}) - 2))$$

$$:= (333/3) + (33333/3)$$

$$:= ((4 + 4)/4) + (44 \times (4^4 - 4/4))$$

$$:= (555/5) + (55555/5)$$

$$:= (666/6) + (66666/6)$$

$$:= 7/7 + (((7 + 7) \times 777) + (7 \times 7 \times 7))$$

$$:= (888/8) + (88888/8)$$

$$:= (999/9) + (99999/9)$$

$$\blacktriangleright 11227 := 1 + (1 + (1 + (1 + (1 + (111 + 11111))))))$$

$$:= ((222/2 - 2 - 2)^2) - 222$$

$$:= 3 + ((33 \times ((3 + 3)^3)) + ((3/3 + 3)^{3+3}))$$

$$:= 4 + (((4^4 \times 44) - (44 + 4/4)) + 4)$$

$$:= 5 + (55555/5 + (555/5))$$

$$:= 6 + (((66/6) + 6) \times (666 - 6)) + 6/6$$

$$:= 7 + (((7 + 7) \times 777) - 7/7) + (7 \times 7 \times 7)$$

$$:= 8 + (((8 \times ((88 \times (8 + 8)) - 8)) + (88/8)) + 8)$$

$$:= (((99 - ((9 + 9)/9)) + 9)^{(9+9)/9}) - 9$$

$$\blacktriangleright 11223 := 1 + (111 + 11111)$$

$$:= 2 + ((22 \times ((2^{(2/2+2)^2}) - 2)) + 2/2)$$

$$:= 3 + (33 \times (((3/3 + 3 + 3)^3) - 3))$$

$$:= 4 + ((4^4 \times 44) - (44 + 4/4))$$

$$:= ((555 + 5)/5) + (55555/5)$$

$$:= ((666 + 6)/6) + (66666/6)$$

$$:= 7 + (((77777/7) + (7 \times (7 + 7))) + 7)$$

$$:= (88 - 8/8) \times (8 \times (8 + 8) + 8/8)$$

$$:= 9 + ((9 + 9) \times ((999/9) + (((9 + 9)/9)^9)))$$

$$\blacktriangleright 11228 := ((11 - 1) \times (1 + 11 + 1111)) - (1 + 1)$$

$$:= (2^{2+2} - 2) \times ((2 \times ((22 - 2)^2)) + 2)$$

$$:= (((3^{3+3}) - 3)/3) + ((33 \times 333) - 3)$$

$$:= 4 + ((44 \times (4^4 - 4/4)) + 4)$$

$$:= (5 - 5/5) \times ((5 \times 555) + (((5 + 5)/5)^5))$$

$$:= 6 + (66666/6 + 666/6)$$

$$:= 7 + (((7 + 7) \times 777) + (7 \times 7 \times 7))$$

$$:= 8 + ((8 \times (88 \times (8 + 8))) - (88/((8 + 8)/8)))$$

$$:= 9 + (((99999/9) + 99) + 9)$$

$$\blacktriangleright 11224 := 1 + (1 + (111 + 11111))$$

$$:= ((22 + 2)^2) + (22^{2/2+2})$$

$$:= (33 \times ((3 + 3)^3)) + ((3/3 + 3)^{3+3})$$

$$:= 4 + (44 \times (4^4 - 4/4))$$

$$:= 5 + (((55/5 \times (((5 - 5/5)^5) - 5)) + 5) + 5)$$

$$:= (((6 + 6)/6)^{6+6}) + (6 \times (66 \times (6 + 6 + 6)))$$

$$:= (7 \times 7 \times 7) + (((7 + 7) \times 777) + ((7 + 7 + 7)/7))$$

$$:= 88 + ((8 + 8) \times ((8 \times 88) - 8))$$

$$:= (9 - 9/9) \times (((9 + 9)/9)^9) + (9 \times 99)$$

$$\blacktriangleright 11229 := ((11 - 1) \times (1 + 11 + 1111)) - 1$$

$$:= 2 + (((222/2 - 2 - 2)^2) - 222)$$

$$:= 3 \times (((33/3 + 3)^3) + (3 \times 333))$$

$$:= 4 + (((44 \times (4^4 - 4/4)) + 4/4) + 4)$$

$$:= 5 \times 5 + ((55/5 \times (((5 - 5/5)^5) - 5)) - 5)$$

$$:= 6 + (66666/6 + ((666 + 6)/6))$$

$$:= (((7 \times (7 + 7)) + 7/7) + 7)^{(7+7)/7} - 7$$

$$:= (8 \times (88 \times (8 + 8))) - (((88/8) + 8) + 8) + 8$$

$$:= 9 + (((999/9) \times (((9 + 9)/9) + 99)) + 9)$$

$$\blacktriangleright 11225 := 1 + (1 + (1 + (111 + 11111)))$$

$$:= 2/2 + ((22^{2/2+2}) + (22 + 2)^2)$$

$$:= 3 + ((33333/3) + (333/3))$$

$$:= 4 + ((44 \times (4^4 - 4/4)) + 4/4)$$

$$:= 5 \times (((5 - 5/5) \times (555 + 5)) + 5)$$

$$:= 6 + (66666/6 + (6 \times (6 + 6 + 6)))$$

$$:= 7 + (((777/7) \times (7777/7)) + 7)$$

$$:= 8/8 + (((8 + 8) \times ((8 \times 88) - 8)) + 88)$$

$$:= 9/9 + ((9 - 9/9) \times (((9 + 9)/9)^9) + (9 \times 99))$$

$$\blacktriangleright 11230 := (11 - 1) \times (1 + 11 + 1111)$$

$$:= ((22 + 2) \times (22^2 - (2^{2+2}))) - 2$$

$$:= (((3^{3+3}) + 3)/3) + ((33 \times 333) - 3)$$

$$:= 4^4 \times 44 + (((44 - 4)/4) - 44)$$

$$:= 5 + (((5 \times 5 + 5) \times (5 \times 55 - 5)) + 5^5)$$

$$:= (((666 + 6)/6) - 6)^{(6+6)/6} - 6$$

$$:= 77 + (((7777/7) - 7) + (7 \times 7))$$

$$:= 8 + ((88888/8) + (888/8))$$

$$:= (9/9 + 9) \times (((9 + 9)/9)^{9/9+9}) + 99$$

$$\begin{aligned}
\blacktriangleright 11231 &:= 11 \times (((1+1)^{11-1}) - (1+1+1)) \\
&:= (22/2) \times (((2^{22/2}) - 2)/2) - 2 \\
&:= (((3^3+3) - 3)/3) + (33 \times 333) \\
&:= (44/4) + (44 \times (4^4 - 4/4)) \\
&:= (((555/5) - 5)^{(5+5)/5}) - 5 \\
&:= ((6+6) \times ((6+6) \times ((66+6) + 6))) - 6/6 \\
&:= 77/7 \times ((7 \times (7 \times (7+7+7))) - (7/7+7)) \\
&:= 8 + ((88 - 8/8) \times (8 \times (8+8) + 8/8)) \\
&:= 9 + ((99999/9) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11232 &:= (11^{1+1}) + 11111 \\
&:= (22+2) \times (22^2 - (2^{2+2})) \\
&:= 3 \times (((33+3) + 3) \times (3 \times 33 - 3)) \\
&:= 4^4 \times 44 - (4 \times (4+4)) \\
&:= ((5^5 - 5)/5) \times (((55+5+5)/5) + 5) \\
&:= (6+6) \times ((6+6) \times ((66+6) + 6)) \\
&:= (7 \times 7 \times 7) + (((7+7) \times 777) + (77/7)) \\
&:= (8+8) \times ((8 \times 88) - ((8+8)/8)) \\
&:= (99+9) \times (((9 \times 9+9)/(9+9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11233 &:= 1 + ((11^{1+1}) + 11111) \\
&:= 2 + ((22/2) \times (((2^{22/2}) - 2)/2) - 2) \\
&:= (((3^3+3) + 3)/3) + (33 \times 333) \\
&:= 4/4 + ((4^4 \times 44) - 4 \times (4+4)) \\
&:= 5 + ((5 - 5/5) \times ((5 \times 555) + (((5+5)/5)^5))) \\
&:= 6/6 + ((6+6) \times ((6+6) \times ((66+6) + 6))) \\
&:= (7 \times 7 \times 7) + (((7+7) \times 777) + ((77+7)/7)) \\
&:= 8/8 + ((8+8) \times ((8 \times 88) - ((8+8)/8))) \\
&:= 9 + ((9 - 9/9) \times (((9+9)/9)^9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11234 &:= 1 + (1 + ((11^{1+1}) + 11111)) \\
&:= (((2 \times (2 \times (22+2+2))) + 2)^2) - 2 \\
&:= 3 + (((3^3+3) - 3)/3) + 33 \times 333 \\
&:= ((4+4)/4) + ((4^4 \times 44) - 4 \times (4+4)) \\
&:= 5 \times 5 + (55/5 \times (((5 - 5/5)^5) - 5)) \\
&:= ((6+6)/6) + ((6+6) \times ((6+6) \times ((66+6) + 6))) \\
&:= (7 \times (77 \times (7+7+7))) - ((7/7+77) + 7) \\
&:= ((8+8)/8) + ((8+8) \times ((8 \times 88) - ((8+8)/8))) \\
&:= (9/9 + (9 \times 9)) \times (((99/9) + 99) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11235 &:= ((111 - (1+1+1+1+1))^{1+1}) - 1 \\
&:= (((2 \times (2 \times (22+2+2))) + 2)^2) - 2/2 \\
&:= 3 + ((33 \times 333) + (3 \times (3 \times 3^3))) \\
&:= 4 + ((44 \times (4^4 - 4/4)) + 44/4) \\
&:= (5 \times 5 \times 5) + ((5+5) \times (5555/5)) \\
&:= (666/6 - 6) \times ((6 \times (6+6+6)) - 6/6) \\
&:= (7 \times (77 \times (7+7+7))) - (77+7) \\
&:= 88 + (((8+8) \times ((8 \times 88) - 8)) + (88/8)) \\
&:= (((99 - ((9+9)/9)) + 9)^{(9+9)/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11236 &:= (111 - (1+1+1+1+1))^{1+1} \\
&:= ((2 \times (2 \times (22+2+2))) + 2)^2 \\
&:= (((3 \times 33) + 3/3) + 3) + 3^{3-3/3} \\
&:= 4 + ((4^4 \times 44) - 4 \times (4+4)) \\
&:= ((555/5) - 5)^{(5+5)/5} \\
&:= (((666+6)/6) - 6)^{(6+6)/6} \\
&:= (((7 \times (7+7)) + 7/7) + 7)^{(7+7)/7} \\
&:= (((((8+8)/8) + 88) + 8) + 8)^{(8+8)/8} \\
&:= ((99 - ((9+9)/9)) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11237 &:= 1 + ((111 - (1+1+1+1+1))^{1+1}) \\
&:= 2/2 + (((2 \times (2 \times (22+2+2))) + 2)^2) \\
&:= 3^3 + ((33333/3) + (3 \times 33)) \\
&:= 4^4 \times 44 - (44/4 + 4 \times 4) \\
&:= 5/5 + (((555/5) - 5)^{(5+5)/5}) \\
&:= ((66/6) + 6) \times ((666 - 6) + 6/6) \\
&:= 77 + (((77777/7) + (7 \times 7))) \\
&:= (8 \times (88 \times (8+8))) - (((88/8) + 8) + 8) \\
&:= 9 + (((99999/9) + 99) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11238 &:= 1 + (1 + ((111 - (1+1+1+1+1))^{1+1})) \\
&:= 2 + (((2 \times (2 \times (22+2+2))) + 2)^2) \\
&:= 33 + ((33 \times 333) + ((3+3)^3)) \\
&:= ((4 - 44)/4) + ((4^4 \times 44) - 4 \times 4) \\
&:= ((5+5)/5) + (((555/5) - 5)^{(5+5)/5}) \\
&:= 6 + ((6+6) \times ((6+6) \times ((66+6) + 6))) \\
&:= 7 + (((77/7) \times ((7 \times (7 \times (7+7+7))) - (7/7+7))) \\
&:= (8 \times (8+8)) + ((88888/8) - 8/8) \\
&:= 9 + (((999/9) \times (((9+9)/9) + 99)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11239 &:= (11 \times (((1+1)^{11-1}) - (1+1))) - (1+1+1) \\
&:= 2 + (((2 \times (2 \times (22+2+2))) + 2)^2) + 2/2 \\
&:= 3 + (((3 \times 33) + 3/3) + 3) + 3^{3-3/3} \\
&:= (4 \times (4 \times (4+4))) + (44444/4) \\
&:= (55/5 \times ((5 - 5/5)^5)) - (5 \times 5) \\
&:= 6 + (((6+6) \times ((6+6) \times ((66+6) + 6))) + 6/6) \\
&:= (((7+7)/7)^7) + (77777/7) \\
&:= (8 \times (8+8)) + (88888/8) \\
&:= 999 + ((99/9+9) \times (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11240 &:= (11 - 1) \times (1 + (1 + 11 + 1111)) \\
&:= 2 + (((2 \times (2 \times (22+2+2))) + 2)^2) + 2 \\
&:= ((3 \times 3) + 3/3) \times (((3 \times 3 + 3 + 3)^3) - 3)/3 \\
&:= 4^4 \times 44 - ((4 \times 4 + 4) + 4) \\
&:= (5+5) \times (((5 - 5/5)^5) + (5 \times (5 \times 5 - 5))) \\
&:= 6 + (((6+6) \times ((6+6) \times ((66+6) + 6))) + ((6+6)/6)) \\
&:= (7 \times (77 \times (7+7+7))) - (((7+7)/7) + 77) \\
&:= (8 \times (88 \times (8+8))) - (8+8+8) \\
&:= (9 \times (9 \times 9)) + (((9+9)/9)^9) + 9999
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 11241 &:= (11 \times (((1+1)^{11-1}) - (1+1))) - 1 \\ &:= (2 \times (22 \times (2^{2 \times (2+2)}))) - (22 + 2/2) \\ &:= 3 \times (((33+3) + 3) \times (3 \times 33 - 3)) + 3 \\ &:= 4 + ((4^4 \times 44) - (44/4 + 4 \times 4)) \\ &:= 5 + (((555/5) - 5)^{(5+5)/5}) \\ &:= 6 \times 6 \times 6 + ((666/6 - 6)^{(6+6)/6}) \\ &:= (7 \times (77 \times (7 + 7 + 7))) - (7/7 + 77) \\ &:= 8/8 + ((8 \times (88 \times (8 + 8))) - (8 + 8 + 8)) \\ &:= ((9+9) \times (9 \times (9 \times 9)) - 99) - 99 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11242 &:= 11 \times (((1+1)^{11-1}) - (1+1)) \\ &:= 22 \times ((2^{(2/2+2)^2}) - 2/2) \\ &:= (3 \times (33 \times (3+3))) + ((33 - 33/3)^3) \\ &:= (44/4) \times ((4 \times 4^4) - ((4+4)/4)) \\ &:= (55/5) \times (((5 - 5/5)^5) - ((5+5)/5)) \\ &:= 6 + (((666+6)/6) - 6)^{(6+6)/6} \\ &:= 77 \times ((7 \times (7 + 7 + 7)) - 7/7) \\ &:= ((8+8)/8) \times ((8 \times (8 \times 88)) - 88/8) \\ &:= 9/9 + (((9+9) \times (9 \times (9 \times 9)) - 99) - 99) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11243 &:= 1 + (11 \times (((1+1)^{11-1}) - (1+1))) \\ &:= 2/2 + (22 \times ((2^{(2/2+2)^2}) - 2/2)) \\ &:= 33 + ((33333/3) + (3 \times 33)) \\ &:= 4^4 \times 44 - (((4 \times 4) + 4/4) + 4) \\ &:= (5 \times 5^5) - (((5+5)/5) + 5) \times ((5^5 + 5)/5) \\ &:= 66 + (66666/6 + 66) \\ &:= 7 + (((7 \times (7 + 7)) + 7/7) + 7)^{(7+7)/7} \\ &:= 88/8 + ((8+8) \times ((8 \times 88) - ((8+8)/8))) \\ &:= ((9+9)/9) + (((9+9) \times (9 \times (9 \times 9)) - 99) - 99) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11244 &:= 1 + (1 + (11 \times (((1+1)^{11-1}) - (1+1)))) \\ &:= 2 + (22 \times ((2^{(2/2+2)^2}) - 2/2)) \\ &:= 3 + ((3 \times ((3 \times 3^3) + 3)) + 33 \times 333) \\ &:= 4^4 \times 44 - (4 \times 4 + 4) \\ &:= 5 + ((55/5 \times ((5 - 5/5)^5)) - (5 \times 5)) \\ &:= 6 + (((6+6) \times ((6+6) \times ((66+6) + 6))) + 6) \\ &:= 7 + (((77777/7) + 77) + (7 \times 7)) \\ &:= (8 \times (88 \times (8 + 8))) - (((88+8)/8) + 8) \\ &:= 9 + (((99 - ((9+9)/9)) + 9)^{(9+9)/9}) - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11245 &:= 1 + (1 + (1 + (11 \times (((1+1)^{11-1}) - (1+1)))))) \\ &:= 2 + ((22 \times ((2^{(2/2+2)^2}) - 2/2)) + 2/2) \\ &:= 33 \times 333 + ((3/3 + 3)^{3/3+3}) \\ &:= 4/4 + (4^4 \times 44 - 4 \times 4 - 4) \\ &:= (5 \times (5 \times ((5+5) \times (55 - (5+5)))) - 5) \\ &:= (6/6 + 6 + 6) \times ((6 \times ((6+6) \times (6+6))) + 6/6) \\ &:= ((7+7+7)/7) + (77 \times ((7 \times (7 + 7 + 7)) - 7/7)) \\ &:= (8 \times (88 \times (8 + 8))) - ((88/8) + 8) \\ &:= 9 + (((99 - ((9+9)/9)) + 9)^{(9+9)/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11246 &:= 1 + (1 + (1 + (1 + (11 \times (((1+1)^{11-1}) - (1+1)))))) \\ &:= 2 \times (((2^{2+2+2}) + (22/2))^2) - 2) \\ &:= 3 + (((33333/3) + (3 \times 33)) + 33) \\ &:= 4^4 \times 44 - (((4+4)/4) + 4 \times 4) \\ &:= 5 + (((555/5) - 5)^{(5+5)/5}) + 5) \\ &:= 6 + (((6+6) \times ((6+6) \times ((66+6) + 6))) + ((6+6)/6) + 6) \\ &:= 7 + (((77777/7) + (((7+7)/7)^7)) \\ &:= ((8+8)/8) \times ((8 \times (8 \times 88)) - (8/8 + 8)) \\ &:= ((9+9)/9) \times (((99/9) \times (((9+9)/9)^9)) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11247 &:= 11 + (((111 - (1 + 1 + 1 + 1 + 1))^{1+1}) \\ &:= 222 + (((222/2) - (2 + 2 + 2))^2) \\ &:= 3^3 + (33 \times (((3/3 + 3 + 3)^3) - 3)) \\ &:= 4^4 \times 44 - ((4 \times 4) + 4/4) \\ &:= (5 - (5 + 5)/5) \times (((5^5 - 5)/5) + 5^5) \\ &:= 6 + (((666/6 - 6)^{(6+6)/6}) + 6 \times 6 \times 6) \\ &:= 7 + ((7 \times (77 \times (7 + 7 + 7))) - (((7+7)/7) + 77)) \\ &:= (8 \times (88 \times (8 + 8))) - (8/8 + 8 + 8) \\ &:= ((9 \times (9 + 9)) + 9/9) \times ((9 \times 9) - ((99 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11248 &:= ((1 + (11 \times (((1+1)^{11} - 1)))/(1+1)) - 11 \\ &:= 2 \times (2 \times (2 \times ((22 \times (2^{2+2+2}) - 2))) \\ &:= ((33/3) + 3^3) \times ((3 \times 3 \times 33) - 3/3) \\ &:= 4^4 \times 44 - (4 \times 4) \\ &:= (5 - 5/5) \times (5^5 - ((5^5 + 5)/(5 + 5))) \\ &:= 6 + (((666+6)/6) - 6)^{(6+6)/6} + 6) \\ &:= (77 - 7/7) \times ((7 \times (7 + 7 + 7)) + 7/7) \\ &:= (8 + 8) \times ((8 \times 88) - 8/8) \\ &:= (99 \times 99) + ((9 \times (9 \times (9 + 9))) - (99/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11249 &:= (11 \times (((1+1)^{11-1}) - 1)) - (1 + 1 + 1 + 1) \\ &:= (2 \times ((22 \times (2^{2 \times (2+2)})) - 2)) - (22/2) \\ &:= ((33/3)^3) + (3 \times (3333 - 3^3)) \\ &:= 4/4 + ((4^4 \times 44) - 4 \times 4) \\ &:= (55/5 \times ((5 - 5/5)^5)) - (5 + 5 + 5) \\ &:= 6 + ((66666/6 + 66) + 66) \\ &:= 7 + (77 \times ((7 \times (7 + 7 + 7)) - 7/7)) \\ &:= 8/8 + ((8+8) \times ((8 \times 88) - 8/8)) \\ &:= (99 \times 99) + ((9 \times (9 \times (9 + 9))) - (9/9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11250 &:= (11 \times (((1+1)^{11-1}) - 1)) - (1 + 1 + 1) \\ &:= 2 \times ((2^{2+2+2}) + (22/2))^2) \\ &:= 3 \times (3 \times (((33/3)^3) - (3 \times 3^3))) \\ &:= ((4+4)/4) + ((4^4 \times 44) - 4 \times 4) \\ &:= 5 \times (5 \times ((5+5) \times (55 - (5+5)))) \\ &:= 666 + (6 \times ((6 \times 6 + 6) \times (6 \times 6 + 6))) \\ &:= 7 + (((7 \times (7 + 7)) + 7/7) + 7)^{(7+7)/7} + 7) \\ &:= ((8+8)/8) + ((8+8) \times ((8 \times 88) - 8/8)) \\ &:= 9 \times (((9+9)/9)^9) + (9 \times (9 \times 9)) + 9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11251 &:= (11 \times (((1+1)^{11-1}) - 1)) - (1+1) \\
&:= ((22/2) \times (((2^{22/2}) - 2)/2)) - 2 \\
&:= 3/3 + (3 \times (3 \times (((33/3)^3) - (3 \times 3^3)))) \\
&:= 4 + ((4^4 \times 44) - ((4 \times 4) + 4/4)) \\
&:= 5/5 + (5 \times (5 \times ((5+5) \times (55 - (5+5)))) \\
&:= ((6 - 6/6)^6) - (6 \times ((6 \times 6/(6+6))^6)) \\
&:= (7 \times (7+7+7)) + ((77777/7) - 7) \\
&:= (8 \times (88 \times (8+8))) - ((88+8+8)/8) \\
&:= 9/9 + (((9 \times (9 \times (9+9))) - 9) + (99 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11252 &:= (11 \times (((1+1)^{11-1}) - 1)) - 1 \\
&:= 2 + (2 \times (((2^{2+2+2}) + (22/2))^2)) \\
&:= (33 \times (333 + 3 \times 3)) - (3/3 + 33) \\
&:= 4 + ((4^4 \times 44) - 4 \times 4) \\
&:= (((5+5)/5) + 5)^5 - 5555 \\
&:= 6/6 + (((6 - 6/6)^6) - (6 \times ((6 \times 6/(6+6))^6))) \\
&:= (7 \times ((77 \times (7+7+7)) - 7)) - (77/7 + 7) \\
&:= (8 \times (88 \times (8+8))) - ((88+8)/8) \\
&:= (99 - ((9+9)/9)) \times (((99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11253 &:= 11 \times (((1+1)^{11-1}) - 1) \\
&:= (22/2) \times (((2^{22/2}) - 2)/2) \\
&:= 33 \times ((333 - 3/3) + 3 \times 3) \\
&:= 4^4 \times 44 - (44/4) \\
&:= (55/5) \times (((5 - 5/5)^5) - 5/5) \\
&:= ((6 \times 6 - 6) + 6/6) \times ((66 \times 66)/(6+6)) \\
&:= (77/7) + (77 \times ((7 \times (7+7+7)) - 7/7)) \\
&:= (8 \times (88 \times (8+8))) - (88/8) \\
&:= (99/9) \times (((9+9)/9)^{9/9+9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11254 &:= 1 + (11 \times (((1+1)^{11-1}) - 1)) \\
&:= 2 \times (((2^{2+2+2}) + (22/2))^2) + 2 \\
&:= (3/3 + 33) \times ((333 - 3) + 3/3) \\
&:= ((4 - 44)/4) + (4^4 \times 44) \\
&:= (55/5 \times ((5 - 5/5)^5)) - (5+5) \\
&:= ((66/6) + 6) \times (((6+6)/6) - 6) + 666 \\
&:= 7 \times 7 + (((77 - 7/7) + 7) \times (((7+7)/7)^7) + 7) \\
&:= ((8 - 88)/8) + (8 \times (88 \times (8+8))) \\
&:= 9 + (((99 - ((9+9)/9)) + 9)^{(9+9)/9}) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11255 &:= 1 + (1 + (11 \times (((1+1)^{11-1}) - 1))) \\
&:= 2 + ((22/2) \times (((2^{22/2}) - 2)/2)) \\
&:= ((3+3) \times (3^3 - 3)) + (33333/3) \\
&:= 4^4 \times 44 - ((4/4 + 4) + 4) \\
&:= 5 + (5 \times (5 \times ((5+5) \times (55 - (5+5)))) \\
&:= ((6+6) \times (6+6)) + (66666/6) \\
&:= 7 + ((77 - 7/7) \times ((7 \times (7+7+7)) + 7/7)) \\
&:= (8 \times (88 \times (8+8))) - (8/8 + 8) \\
&:= ((99/9) \times (((9+9)/9)^{9/9+9})) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11256 &:= 1 + (1 + (1 + (11 \times (((1+1)^{11-1}) - 1)))) \\
&:= 2 \times ((22 \times (2^{2 \times (2+2)})) - (2+2)) \\
&:= 3 + (33 \times ((333 - 3/3) + 3 \times 3)) \\
&:= 4^4 \times 44 - (4+4) \\
&:= 5 + ((5 \times (5 \times ((5+5) \times (55 - (5+5)))) + 5/5) \\
&:= (666 \times ((66/6) + 6)) - 66 \\
&:= (7 \times ((77 \times (7+7+7)) - 7)) - (7+7) \\
&:= (8 \times (88 \times (8+8))) - 8 \\
&:= 9 + (((9 \times (9+9)) + 9/9) \times ((9 \times 9) - ((99+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11257 &:= (((11 \times (((1+1)^{11}) - 1)) - 1)/(1+1)) - 1 \\
&:= 2 + (((22/2) \times (((2^{22/2}) - 2)/2)) + 2) \\
&:= 3 + ((3/3 + 33) \times ((333 - 3) + 3/3)) \\
&:= 4 + ((4^4 \times 44) - 44/4) \\
&:= 5 + (((5+5)/5) + 5)^5 - 5555 \\
&:= ((6 - 6/6)^6) - (((66 \times 66) + 6) + 6) \\
&:= (((7+7)/7)^7) \times ((77/7) + 77) - 7 \\
&:= 8/8 + ((8 \times (88 \times (8+8))) - 8) \\
&:= (99 \times 99) + ((9 \times (9 \times (9+9))) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11258 &:= ((11 \times (((1+1)^{11}) - 1)) - 1)/(1+1) \\
&:= (2 \times ((22 \times (2^{2 \times (2+2)})) - 2)) - 2 \\
&:= (3^3 - 3/3) \times (((3+3)^{3/3+3}) + 3/3) \\
&:= 4^4 \times 44 - (((4+4)/4) + 4) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5) - 5/5)) \\
&:= ((6 - 6/6)^6) - ((66 \times 66) + (66/6)) \\
&:= (7 \times (7+7+7)) + (77777/7) \\
&:= ((8+8)/8) + ((8 \times (88 \times (8+8))) - 8) \\
&:= (99 \times 99) + ((9 \times (9 \times (9+9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11259 &:= (1 + (11 \times (((1+1)^{11}) - 1)))/(1+1) \\
&:= (2 \times ((22 \times (2^{2 \times (2+2)})) - 2)) - 2/2 \\
&:= 3^3 \times (((3 \times 3^3) + 333) + 3) \\
&:= 4^4 \times 44 - (4/4 + 4) \\
&:= (55/5 \times ((5 - 5/5)^5)) - 5 \\
&:= ((6+6+6) \times 666) - ((6 \times 6/(6+6))^6) \\
&:= (7 \times ((77 \times (7+7+7)) - 7)) - (77/7) \\
&:= 88/8 + ((8+8) \times ((8 \times 88) - 8/8)) \\
&:= (99 \times 99) + (9 \times (9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11260 &:= 1 + ((1 + (11 \times (((1+1)^{11}) - 1)))/(1+1)) \\
&:= 2 \times ((22 \times (2^{2 \times (2+2)})) - 2) \\
&:= 3/3 + (3^3 \times (((3 \times 3^3) + 333) + 3)) \\
&:= 4^4 \times 44 - 4 \\
&:= 5 + ((5 \times (5 \times ((5+5) \times (55 - (5+5)))) + 5) \\
&:= 6 + (((66/6) + 6) \times (((6+6)/6) - 6) + 666) \\
&:= ((7 - 77)/7) + (7 \times ((77 \times (7+7+7)) - 7)) \\
&:= (8 \times (88 \times (8+8))) - (8 \times 8/(8+8)) \\
&:= 9/9 + ((99 \times 99) + (9 \times (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11261 &:= (11 \times ((1+1)^{11-1})) - (1+1+1) \\
&:= 2/2 + (2 \times ((22 \times (2^{2 \times (2+2)})) - 2)) \\
&:= ((3/3+33) \times (333-3/3)) - 3^3 \\
&:= 4/4 + (4^4 \times 44 - 4) \\
&:= 5 \times 5 + (((555/5) - 5)^{(5+5)/5}) \\
&:= 6 + (66666/6 + ((6+6) \times (6+6))) \\
&:= (7 \times ((77 \times (7+7+7)) - 7)) - ((7+7)/7+7) \\
&:= 8 + ((8 \times (88 \times (8+8))) - 88/8) \\
&:= ((9+9)/9) + ((99 \times 99) + (9 \times (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11262 &:= (11 \times ((1+1)^{11-1})) - (1+1) \\
&:= (2 \times (22 \times (2^{2 \times (2+2)}))) - 2 \\
&:= 3 + (3^3 \times (((3 \times 3^3) + 333) + 3)) \\
&:= 4^4 \times 44 - ((4+4)/4) \\
&:= (55/5 \times ((5-5/5)^5)) - ((5+5)/5) \\
&:= 6 + ((666 \times ((66/6) + 6)) - 66) \\
&:= (7 \times ((77 \times (7+7+7)) - 7)) - (7/7+7) \\
&:= (8 \times (88 \times (8+8))) - ((8+8)/8) \\
&:= (9 \times (9+9)) + ((999/9) \times (9/9+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11263 &:= (11 \times ((1+1)^{11-1})) - 1 \\
&:= (2 \times (22 \times (2^{2 \times (2+2)}))) - 2/2 \\
&:= 3 + (3^3 \times (((3 \times 3^3) + 333) + 3)) + 3/3 \\
&:= 4^4 \times 44 - 4/4 \\
&:= (55/5 \times ((5-5/5)^5)) - 5/5 \\
&:= ((6-6/6)^6) - ((66 \times 66) + 6) \\
&:= (7 \times ((77 \times (7+7+7)) - 7)) - 7 \\
&:= (8 \times (88 \times (8+8))) - 8/8 \\
&:= ((99/9) \times (((9+9)/9)^{9/9+9})) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11264 &:= 11 \times ((1+1)^{11-1}) \\
&:= 2 \times (22 \times (2^{2 \times (2+2)})) \\
&:= (33/3) \times ((3-3/3)^{3 \times 3+3/3}) \\
&:= 4^4 \times 44 \\
&:= (55/5) \times ((5-5/5)^5) \\
&:= (66/6) \times (((6+6)/6)^{(66-6)/6}) \\
&:= (((7+7)/7)^7) \times ((77/7) + 77) \\
&:= 8 \times (88 \times (8+8)) \\
&:= (99/9) \times (((9+9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11265 &:= 1 + (11 \times ((1+1)^{11-1})) \\
&:= 2/2 + (2 \times (22 \times (2^{2 \times (2+2)}))) \\
&:= 3 + (3^3 \times (((3 \times 3^3) + 333) + 3)) + 3 \\
&:= 4/4 + (4^4 \times 44) \\
&:= 5/5 + (55/5 \times ((5-5/5)^5)) \\
&:= 6 + (((6+6+6) \times 666) - ((6 \times 6)/(6+6))^6) \\
&:= 77 + ((77777/7) + 77) \\
&:= 8/8 + (8 \times (88 \times (8+8))) \\
&:= 9/9 + ((99/9) \times (((9+9)/9)^{9/9+9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11266 &:= 1 + (1 + (11 \times ((1+1)^{11-1}))) \\
&:= 2 + (2 \times (22 \times (2^{2 \times (2+2)}))) \\
&:= ((33/3)^{3/3+3}) - ((3 \times 3 + 3 + 3)^3) \\
&:= ((4+4)/4) + (4^4 \times 44) \\
&:= ((5+5)/5) + (55/5 \times ((5-5/5)^5)) \\
&:= 6 \times 6 + (((((666+6)/6) - 6)^{(6+6)/6}) - 6) \\
&:= 7 + ((7 \times ((77 \times (7+7+7)) - 7)) - (77/7)) \\
&:= ((8+8)/8) + (8 \times (88 \times (8+8))) \\
&:= 9 + (((99 \times 99) - ((9+9)/9)) + (9 \times (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11267 &:= 1 + (1 + (1 + (11 \times ((1+1)^{11-1})))) \\
&:= 2 + ((2 \times (22 \times (2^{2 \times (2+2)}))) + 2/2) \\
&:= 3 + ((33/3) \times ((3-3/3)^{3 \times 3+3/3})) \\
&:= 4 + ((4^4 \times 44) - 4/4) \\
&:= 5 + ((55/5 \times ((5-5/5)^5)) - ((5+5)/5)) \\
&:= ((6-6/6)^6) - ((66 \times 66) + ((6+6)/6)) \\
&:= (7 \times ((77 \times (7+7+7)) - 7)) - ((7+7+7)/7) \\
&:= 88/8 + ((8 \times (88 \times (8+8))) - 8) \\
&:= ((9/9+9) + 9) \times (((9+9)/9)^9) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11268 &:= 1 + (1 + (1 + (1 + (11 \times ((1+1)^{11-1})))))) \\
&:= 2 \times ((22 \times (2^{2 \times (2+2)})) + 2) \\
&:= 3 \times ((33 \times ((333/3) + 3)) - (3+3)) \\
&:= 4 + (4^4 \times 44) \\
&:= 5 + ((55/5 \times ((5-5/5)^5)) - 5/5) \\
&:= 6 \times ((6 \times (6 \times (66 - (6+6)))) - 66) \\
&:= (7 \times ((77 \times (7+7+7)) - 7)) - ((7+7)/7) \\
&:= (8 \times 8/(8+8)) + (8 \times (88 \times (8+8))) \\
&:= 9 + ((99 \times 99) + (9 \times (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11269 &:= ((11 \times (1 + ((1+1)^{11}))) - 1)/(1+1) \\
&:= 2/2 + (2 \times ((22 \times (2^{2 \times (2+2)})) + 2)) \\
&:= 3 + (((33/3)^{3/3+3}) - ((3 \times 3 + 3 + 3)^3)) \\
&:= 4 + (4^4 \times 44 + 4/4) \\
&:= 5 + (55/5 \times ((5-5/5)^5)) \\
&:= ((6-6/6)^6) - (66 \times 66) \\
&:= (7 \times ((77 \times (7+7+7)) - 7)) - 7/7 \\
&:= 8 + (((8 \times (88 \times (8+8))) - 88/8) + 8) \\
&:= 9 + (((99 \times 99) + (9 \times (9 \times (9+9)))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11270 &:= (1 + (11 \times (1 + ((1+1)^{11}))))/(1+1) \\
&:= 2 + (2 \times ((22 \times (2^{2 \times (2+2)})) + 2)) \\
&:= ((3+3) \times 3^3) + ((33333/3) - 3) \\
&:= 4 + (4^4 \times 44 + ((4+4)/4)) \\
&:= (55 \times (((5+5) \times (5 \times 5 - 5)) + 5)) - 5 \\
&:= 6/6 + (((6-6/6)^6) - (66 \times 66)) \\
&:= 7 \times ((77 \times (7+7+7)) - 7) \\
&:= 8 + ((8 \times (88 \times (8+8))) - ((8+8)/8)) \\
&:= ((9 \times 9) - (99/9)) \times ((9 \times (9+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11271 &:= 1 + ((1 + (11 \times (1 + ((1 + 1)^{11})))) / (1 + 1)) \\
&:= 2 + ((2 \times ((22 \times (2^{2 \times (2+2)})) + 2)) + 2) / 2 \\
&:= 3 + ((33 \times (333 + 3 + 3)) + (3 \times 3^3)) \\
&:= 4 + (((4^4 \times 44) - 4/4) + 4) \\
&:= 5 + ((55/5 \times ((5 - 5/5)^5)) + ((5 + 5)/5)) \\
&:= ((6 + 6)/6) + (((6 - 6/6)^6) - (66 \times 66)) \\
&:= 7/7 + (7 \times ((77 \times (7 + 7 + 7)) - 7)) \\
&:= 8 + ((8 \times (88 \times (8 + 8))) - 8/8) \\
&:= 9 + (((999/9) \times (9/9 + 99)) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11272 &:= (11 \times (1 + ((1 + 1)^{11-1})) - (1 + 1 + 1)) \\
&:= 2 \times (((22 \times (2^{2 \times (2+2)})) + 2) + 2) \\
&:= (33 \times (333 + 3 \times 3)) - (33/3 + 3) \\
&:= 4 + (4^4 \times 44 + 4) \\
&:= (5 - 5/5) \times (((5 - 5^5)/(5 + 5)) + 5^5) + 5 \\
&:= 6 \times 6 + (((666 + 6)/6) - 6)^{(6+6)/6} \\
&:= ((7 + 7)/7) + (7 \times ((77 \times (7 + 7 + 7)) - 7)) \\
&:= 8 + (8 \times (88 \times (8 + 8))) \\
&:= (9 \times (9 + 9)) + ((9/9 + 9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11273 &:= (11 \times (1 + ((1 + 1)^{11-1})) - (1 + 1)) \\
&:= ((22/2) \times (((2^{22/2}) + 2)/2)) - 2 \\
&:= ((3 + 3) \times 3^3) + (33333/3) \\
&:= 4 + (((4^4 \times 44) + 4/4) + 4) \\
&:= 5 + (((55/5 \times ((5 - 5/5)^5)) - 5/5) + 5) \\
&:= (((66/6) + 6) \times (666 + 6/6)) - 66 \\
&:= ((7 + 7 + 7)/7) + (7 \times ((77 \times (7 + 7 + 7)) - 7)) \\
&:= 8 + ((8 \times (88 \times (8 + 8))) + 8/8) \\
&:= (9 \times (9 + 9)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11274 &:= (11 \times (1 + ((1 + 1)^{11-1})) - 1) \\
&:= 2 + (2 \times (((22 \times (2^{2 \times (2+2)})) + 2) + 2)) \\
&:= (33 \times (333 + 3 \times 3)) - (3 \times 3 + 3) \\
&:= 4^4 \times 44 + ((44 - 4)/4) \\
&:= 5 + ((55/5 \times ((5 - 5/5)^5)) + 5) \\
&:= 6 + (6 \times ((6 \times (6 \times (66 - (6 + 6)))) - 66)) \\
&:= (77/7) + ((7 \times ((77 \times (7 + 7 + 7)) - 7)) - 7) \\
&:= 8 + ((8 \times (88 \times (8 + 8))) + ((8 + 8)/8)) \\
&:= 9/9 + ((99999/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11275 &:= 11 \times (1 + ((1 + 1)^{11-1})) \\
&:= (22/2) \times (((2^{22/2}) + 2)/2) \\
&:= (33 \times (333 + 3 \times 3)) - (33/3) \\
&:= (44/4) + (4^4 \times 44) \\
&:= 55 \times (((5 + 5) \times (5 \times 5 - 5)) + 5) \\
&:= 6 + (((6 - 6/6)^6) - (66 \times 66)) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) - 7)) - ((7 + 7)/7)) \\
&:= 88/8 + (8 \times (88 \times (8 + 8))) \\
&:= (99/9) \times (((999 - 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11276 &:= 1 + (11 \times (1 + ((1 + 1)^{11-1}))) \\
&:= 2 \times (((22 \times (2^{2 \times (2+2)})) + 2) + 2) + 2 \\
&:= ((3^3 - (3/3 + 3))^3) - (33 \times 3^3) \\
&:= 4 + (((4^4 \times 44) + 4) + 4) \\
&:= 5/5 + (55 \times (((5 + 5) \times (5 \times 5 - 5)) + 5)) \\
&:= 6 + (((6 - 6/6)^6) - (66 \times 66)) + 6/6 \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) - 7)) - 7/7) \\
&:= ((88 + 8)/8) + (8 \times (88 \times (8 + 8))) \\
&:= 9 + (((9/9 + 9) + 9) \times (((9 + 9)/9)^9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11277 &:= 1 + (1 + (11 \times (1 + ((1 + 1)^{11-1})))) \\
&:= 2 + ((22/2) \times (((2^{22/2}) + 2)/2)) \\
&:= 3 \times ((33 \times ((333/3) + 3)) - 3) \\
&:= 4 + (((4^4 \times 44) + 4/4) + 4) + 4 \\
&:= 5 \times 5 + (((((5 + 5)/5) + 5)^5) - 5555) \\
&:= 6 + (((6 - 6/6)^6) - (66 \times 66)) + ((6 + 6)/6) \\
&:= 7 + (7 \times ((77 \times (7 + 7 + 7)) - 7)) \\
&:= (8 \times (88 \times (8 + 8))) + ((88 + 8 + 8)/8) \\
&:= 9 + (((99 \times 99) + (9 \times (9 \times (9 + 9)))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11278 &:= 1 + (1 + (1 + (11 \times (1 + ((1 + 1)^{11-1})))))) \\
&:= 2 + (2 \times (((22 \times (2^{2 \times (2+2)})) + 2) + 2) + 2)) \\
&:= 3 + ((33 \times (333 + 3 \times 3)) - 33/3) \\
&:= 4 + (4^4 \times 44 + ((44 - 4)/4)) \\
&:= 5 \times 5 + (55/5 \times (((5 - 5/5)^5) - 5/5)) \\
&:= 6 + (((666 + 6)/6) - 6)^{(6+6)/6} + (6 \times 6) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) - 7)) + 7/7) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) - ((8 + 8)/8)) + 8) \\
&:= 9 + (((99 \times 99) + (9 \times (9 \times (9 + 9)))) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11279 &:= 1 + (1 + (1 + (1 + (11 \times (1 + ((1 + 1)^{11-1})))))) \\
&:= 2 + (((22/2) \times (((2^{22/2}) + 2)/2)) + 2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - (33 \times 3^3)) \\
&:= 4 + (4^4 \times 44 + 44/4) \\
&:= 5 + (((55/5 \times ((5 - 5/5)^5)) + 5) + 5) \\
&:= 6 + (((66/6) + 6) \times (666 + 6/6)) - 66 \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) - 7)) + (7 + 7)/7) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) - 8/8) + 8) \\
&:= 9 + (((9 \times 9) - (99/9)) \times ((9 \times (9 + 9)) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11280 &:= 11111 + ((1 + 1 + 11)^{1+1}) \\
&:= 2 \times ((22 \times (2^{2 \times (2+2)})) + (2 \times (2 + 2))) \\
&:= (33 \times (333 + 3 \times 3)) - (3 + 3) \\
&:= 4 \times 4 + (4^4 \times 44) \\
&:= 5 + (55 \times (((5 + 5) \times (5 \times 5 - 5)) + 5)) \\
&:= (666 \times ((66/6) + 6)) - (6 \times 6 + 6) \\
&:= (7/7 + 7) \times (((7 + 7 + 7)/7)^7) - 777 \\
&:= 8 + ((8 \times (88 \times (8 + 8))) + 8) \\
&:= (9/9 + 9) \times (((9999 - 9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11281 &:= 1 + (11111 + ((1 + 1 + 11)^{1+1})) \\
&:= 2 + (((22/2) \times ((2^{22/2}) + 2)/2) + 2) + 2 \\
&:= 3/3 + ((33 \times (333 + 3 \times 3)) - (3 + 3)) \\
&:= 4 \times 4 + (4^4 \times 44 + 4/4) \\
&:= 5 + ((55 \times (((5 + 5) \times (5 \times 5 - 5)) + 5)) + 5)/5 \\
&:= 6 + (((6 - 6/6)^6) - (66 \times 66)) + 6 \\
&:= (77/7) + (7 \times ((77 \times (7 + 7 + 7)) - 7)) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + 8/8) + 8) \\
&:= 9 \times 9 + ((9/9 + 9) \times (9999/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11282 &:= 1 + (1 + (11111 + ((1 + 1 + 11)^{1+1}))) \\
&:= 22 + (2 \times ((22 \times (2^{2 \times (2+2)})) - 2)) \\
&:= (33 \times (333 + 3 \times 3)) - (3/3 + 3) \\
&:= 4 \times 4 + (4^4 \times 44 + ((4 + 4)/4)) \\
&:= 5 + (((((5 + 5)/5) + 5)^5) - 5555) + 5 \times 5 \\
&:= (((66/6) + 6) \times (666 - ((6 + 6)/6))) - 6 \\
&:= ((77 + 7)/7) + (7 \times ((77 \times (7 + 7 + 7)) - 7)) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + ((8 + 8)/8)) + 8) \\
&:= 9 + ((99999/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11283 &:= ((1 + 11) \times 1111) - (1 + ((1 + 1)^{11})) \\
&:= 22 + ((2 \times ((22 \times (2^{2 \times (2+2)})) - 2)) + 2/2) \\
&:= (33 \times (333 + 3 \times 3)) - 3 \\
&:= 4 + (((4^4 \times 44) + 44/4) + 4) \\
&:= (5 - (5 + 5)/5) \times (((55 + 5^5)/5) + 5^5) \\
&:= 6 + (((((6 - 6/6)^6) - (66 \times 66)) + ((6 + 6)/6)) + 6) \\
&:= 7 + (((7 \times ((77 \times (7 + 7 + 7)) - 7)) - 7/7) + 7) \\
&:= 8 + ((8 \times (88 \times (8 + 8))) + (88/8)) \\
&:= 9 + (((99999/9) + (9 \times (9 + 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11284 &:= ((1 + 11) \times 1111) - ((1 + 1)^{11}) \\
&:= 22 + ((2 \times (22 \times (2^{2 \times (2+2)}))) - 2) \\
&:= 3/3 + ((33 \times (333 + 3 \times 3)) - 3) \\
&:= 4 + (4^4 \times 44 + 4 \times 4) \\
&:= 5 \times 5 + ((55/5 \times ((5 - 5/5)^5)) - 5) \\
&:= ((6 \times 6 \times 6) + 6/6) \times (((6 + 6)/6)^6) - (6 + 6) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) - 7)) + 7) \\
&:= 8 + ((8 \times (88 \times (8 + 8))) + ((88 + 8)/8)) \\
&:= 9 + ((99/9) \times (((999 - 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11285 &:= (11 \times (1 + (1 + ((1 + 1)^{11-1})))) - 1 \\
&:= 22 + ((2 \times (22 \times (2^{2 \times (2+2)}))) - 2/2) \\
&:= (33 \times (333 + 3 \times 3)) - 3/3 \\
&:= 4 + (((4^4 \times 44) + 4/4) + 4 \times 4) \\
&:= 5 + ((55 \times (((5 + 5) \times (5 \times 5 - 5)) + 5)) + 5) \\
&:= (6 \times (6 \times 6 - 6)) + (66666/6 - 6) \\
&:= 7 + (((7 \times ((77 \times (7 + 7 + 7)) - 7)) + 7/7) + 7) \\
&:= 8 + ((8 \times (88 \times (8 + 8))) + ((88 + 8 + 8)/8)) \\
&:= 9 \times 9 + ((99 \times (99 + 9)) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11286 &:= 11 \times (1 + (1 + ((1 + 1)^{11-1}))) \\
&:= 22 + (2 \times (22 \times (2^{2 \times (2+2)}))) \\
&:= 33 \times (333 + 3 \times 3) \\
&:= (44/4) \times (((4 + 4)/4) + (4 \times 4^4)) \\
&:= (55/5) \times (((5 - 5/5)^5) + ((5 + 5)/5)) \\
&:= 66 \times ((666/6 - 6) + 66) \\
&:= 77 + (((77777/7) + (7 \times (7 + 7))) \\
&:= ((8 + 8)/8) \times ((8 \times (8 \times 88)) + (88/8)) \\
&:= 99 \times (((999 + 9) + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11287 &:= 1 + (11 \times (1 + (1 + ((1 + 1)^{11-1})))) \\
&:= 22 + ((2 \times (22 \times (2^{2 \times (2+2)}))) + 2/2) \\
&:= 3/3 + (33 \times (333 + 3 \times 3)) \\
&:= (4 \times 44) + (44444/4) \\
&:= 5 \times 5 + ((55/5 \times ((5 - 5/5)^5)) - ((5 + 5)/5)) \\
&:= 6 + (((((6 - 6/6)^6) - (66 \times 66)) + 6) + 6) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) - 7/7)) - (77/7) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) - 8/8) + 8) + 8 \\
&:= 9/9 + (99 \times (((999 + 9) + 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11288 &:= 1 + (1 + (11 \times (1 + (1 + ((1 + 1)^{11-1})))))) \\
&:= 2 + ((2 \times (22 \times (2^{2 \times (2+2)}))) + 22) \\
&:= (3/3 + 33) \times (333 - 3/3) \\
&:= 4 + (((4^4 \times 44) + 4 \times 4) + 4) \\
&:= 5 \times 5 + ((55/5 \times ((5 - 5/5)^5)) - 5/5) \\
&:= ((66/6) + 6) \times (666 - ((6 + 6)/6)) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) - 7)) + (77/7)) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + 8) + 8) \\
&:= 9 + (((9 \times 9) - (99/9)) \times ((9 \times (9 + 9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11289 &:= 1 + (1 + (1 + (11 \times (1 + (1 + ((1 + 1)^{11-1})))))) \\
&:= (((222/2) + 2) + 2)^2 - ((2 \times 22)^2) \\
&:= 3 + (33 \times (333 + 3 \times 3)) \\
&:= 4 + (((4^4 \times 44) + 4/4) + 4 \times 4) + 4 \\
&:= 5 \times 5 + (55/5 \times ((5 - 5/5)^5)) \\
&:= 6/6 + (((66/6) + 6) \times (666 - ((6 + 6)/6))) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) - 7)) + ((77 + 7)/7)) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + 8/8) + 8) + 8 \\
&:= 9 + ((9/9 + 9) \times (((9999 - 9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11290 &:= (11 - 1) \times (((11 - 1) \times (1 + (1 + 111)))) - 1 \\
&:= 22 + (2 \times ((22 \times (2^{2 \times (2+2)})) + 2)) \\
&:= 3 + ((33 \times (333 + 3 \times 3)) + 3/3) \\
&:= 4 + ((44/((4 + 4)/4)) + (4^4 \times 44)) \\
&:= ((5 \times 5 - 5) \times ((555 + 5) + 5)) - (5 + 5) \\
&:= 6 + (((6 \times 6 \times 6) + 6/6) \times (((6 + 6)/6)^6) - (6 + 6)) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - (7/7 + 77) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + ((8 + 8)/8)) + 8) + 8 \\
&:= (9/9 + 9) \times ((9999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11291 &:= 1 + ((11 - 1) \times (((11 - 1) \times (1 + (1 + 111))) - 1)) \\
&:= 2 + (((((222/2) + 2) + 2)^2) - ((2 \times 22)^2)) \\
&:= 3 + ((3/3 + 33) \times (333 - 3/3)) \\
&:= 4 \times 4 + (4^4 \times 44 + 44/4) \\
&:= 55 + (((555/5) - 5)^{(5+5)/5}) \\
&:= (6 \times (6 \times 6 - 6)) + (66666/6) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - 77 \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + (88/8)) + 8) \\
&:= 99 + ((99999/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11292 &:= 1 + (1 + ((11 - 1) \times (((11 - 1) \times (1 + (1 + 111))) - 1))) \\
&:= 2 + ((2 \times ((22 \times (2^{2 \times (2+2)})) + 2)) + 22) \\
&:= 3 + ((33 \times (333 + 3 \times 3)) + 3) \\
&:= 44 + ((4^4 \times 44) - 4 \times 4) \\
&:= 55 + (((555/5) - 5)^{(5+5)/5}) + 5/5 \\
&:= 6 + (66 \times ((666/6 - 6) + 66)) \\
&:= 7/7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) - 77) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + ((88 + 8)/8)) + 8) \\
&:= 9 \times 9 + ((999/9) \times (((9 + 9)/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11293 &:= 11111 + ((1 + 1 + 11) \times (1 + 1 + 1 + 11)) \\
&:= (22 + 2/2) \times (((22^2 + 2/2) + 2) + 2) + 2 \\
&:= 3 + (((33 \times (333 + 3 \times 3)) + 3/3) + 3) \\
&:= 44 + (((4^4 \times 44) - 4 \times 4) + 4/4) \\
&:= 5 + (((55/5 \times ((5 - 5/5)^5)) - 5/5) + 5 \times 5) \\
&:= (((66/6) + 6) \times (666 - 6/6)) - (6 + 6) \\
&:= 7 + (((77777/7) + (7 \times (7 + 7))) + 77) \\
&:= ((8 + 8) \times ((8 \times 88) + 8)) - ((88/8) + 88) \\
&:= 9999 + (((9 + 9) \times ((9 \times 9) - 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11294 &:= (111^{1+1}) - (1 + (1 + (1 + ((1 + 1)^{11-1})))) \\
&:= ((2^{2+2}) \times (222 + 22^2)) - 2 \\
&:= 3 + (((3/3 + 33) \times (333 - 3/3)) + 3) \\
&:= (4 \times (4 + 4)) + ((4^4 \times 44) - ((4 + 4)/4)) \\
&:= 5 + ((55/5 \times ((5 - 5/5)^5)) + 5 \times 5) \\
&:= 6 + (((66/6) + 6) \times (666 - ((6 + 6)/6))) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - ((77/7 + 7) + 7) \\
&:= 8 + ((8 \times (88 \times (8 + 8))) + ((88 + 88)/8)) \\
&:= 9999 + (((9 + 9) \times ((9 \times 9) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11295 &:= (111^{1+1}) - (1 + (1 + ((1 + 1)^{11-1}))) \\
&:= ((222/2)^2) - ((2^{2 \times (2+2)+2}) + 2) \\
&:= 3 \times ((33 \times ((333/3) + 3)) + 3) \\
&:= (4 \times (4 + 4)) + ((4^4 \times 44) - 4/4) \\
&:= ((5 \times 5 - 5) \times ((555 + 5) + 5)) - 5 \\
&:= (6 - 6/6) \times ((6 \times (6 \times 66)) - ((666/6) + 6)) \\
&:= ((7 + 7 + 7)/7) \times ((7 \times (7 \times 77)) - (7/7 + 7)) \\
&:= ((8 + 8) \times (((8 + 8)/8) + (8 \times 88))) - 8/8 \\
&:= 9999 + ((9 + 9) \times ((9 \times 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11296 &:= (111^{1+1}) - (1 + ((1 + 1)^{11-1})) \\
&:= (2^{2+2}) \times (222 + 22^2) \\
&:= (3 \times ((3 + 3)^3)) + ((33 - 33/3)^3) \\
&:= (4 \times (4 + 4)) + (4^4 \times 44) \\
&:= 5 + (((555/5) - 5)^{(5+5)/5}) + 55 \\
&:= 66 + (((((666 + 6)/6) - 6)^{(6+6)/6}) - 6) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) - 7/7)) - ((7 + 7)/7) \\
&:= (8 + 8) \times (((8 + 8)/8) + (8 \times 88)) \\
&:= 9/9 + (((9 + 9) \times ((9 \times 9) - 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11297 &:= 11 \times (1 + (1 + (1 + ((1 + 1)^{11-1})))) \\
&:= (22/2) \times (((2^{22/2}) + 2)/2) + 2 \\
&:= (33/3) + (33 \times (333 + 3 \times 3)) \\
&:= 44 + ((4^4 \times 44) - 44/4) \\
&:= (55/5) \times (((5 - 5/5)^5) - ((5 + 5)/5)) + 5 \\
&:= 6 + (66666/6 + (6 \times (6 \times 6 - 6))) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) - 7/7)) - 7/7 \\
&:= 8/8 + ((8 + 8) \times (((8 + 8)/8) + (8 \times 88))) \\
&:= (99/9) \times (((999 + 9/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11298 &:= 1 + (11 \times (1 + (1 + (1 + ((1 + 1)^{11-1})))))) \\
&:= 2 + ((2^{2+2}) \times (222 + 22^2)) \\
&:= 3 + ((33 \times (333 + 3 \times 3)) + 3 \times 3) \\
&:= 44 + (((4 - 44)/4) + (4^4 \times 44)) \\
&:= ((5 \times 5 - 5) \times ((555 + 5) + 5)) - ((5 + 5)/5) \\
&:= 66 + (((6 + 6) \times ((6 + 6) \times ((66 + 6) + 6))) \\
&:= (7 + 7 + 7) \times ((7 \times 77) - 7/7) \\
&:= ((8 + 8)/8) + ((8 + 8) \times (((8 + 8)/8) + (8 \times 88))) \\
&:= 99 + (((999/9) \times (9/9 + 99)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11299 &:= (((11 - 1)^{1+1}) \times (1 + (1 + 111))) - 1 \\
&:= 2 + ((22/2) \times (((2^{22/2}) + 2)/2) + 2) \\
&:= 3 + (((33 - 33/3)^3) + (3 \times ((3 + 3)^3))) \\
&:= 4 + (((4^4 \times 44) - 4/4) + (4 \times (4 + 4))) \\
&:= ((5 \times 5 - 5) \times ((555 + 5) + 5)) - 5/5 \\
&:= (((66/6) + 6) \times (666 - 6/6)) - 6 \\
&:= 7/7 + ((7 + 7 + 7) \times ((7 \times 77) - 7/7)) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + (88/8)) + 8) + 8 \\
&:= 9 + ((9/9 + 9) \times ((9999/9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11300 &:= ((11 - 1)^{1+1}) \times (1 + (1 + 111)) \\
&:= 22^2 + ((2 \times (2 \times (22 + 2 + 2)))^2) \\
&:= 3 + ((33 \times (333 + 3 \times 3)) + (33/3)) \\
&:= 4 + (4^4 \times 44 + (4 \times (4 + 4))) \\
&:= (5 \times 5 - 5) \times ((555 + 5) + 5) \\
&:= 6 + (((66/6) + 6) \times (666 - ((6 + 6)/6))) + 6 \\
&:= ((7 + 7)/7) + ((7 + 7 + 7) \times ((7 \times 77) - 7/7)) \\
&:= (8 \times (88 \times (8 + 8))) + (((8 \times 8) + 8)/((8 + 8)/8)) \\
&:= (9/9 + 99) \times (((999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11301 &:= 1 + (((11 - 1)^{1+1}) \times (1 + (1 + 111))) \\
&:= 2 + (((22/2) \times (((2^{22/2}) + 2)/2) + 2) + 2) \\
&:= ((3 + 3)^3) + ((33 \times (333 + 3)) - 3) \\
&:= 4 + (((4^4 \times 44) + (4 \times (4 + 4))) + 4/4) \\
&:= 5/5 + ((5 \times 5 - 5) \times ((555 + 5) + 5)) \\
&:= 6 + ((6 - 6/6) \times ((6 \times (6 \times 66)) - ((666/6) + 6))) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - (77/7 + 7) \\
&:= (8 \times (88 \times (8 + 8))) + (888/(8 + 8 + 8)) \\
&:= 9 + (((999/9) \times ((9 + 9)/9) + 99) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11302 &:= 1 + (1 + (((11 - 1)^{1+1}) \times (1 + (1 + 111)))) \\
&:= 2 + (((2 \times (2 \times (22 + 2 + 2)))^2) + 22^2) \\
&:= 3 + (((33 - 33/3)^3) + (3 \times ((3 + 3)^3))) + 3) \\
&:= 44 + ((4^4 \times 44) - (((4 + 4)/4) + 4)) \\
&:= ((5 + 5)/5) + ((5 \times 5 - 5) \times ((555 + 5) + 5)) \\
&:= 66 + (((666 + 6)/6) - 6)^{(6+6)/6} \\
&:= ((7 - 77)/7) + ((7 \times (77 \times (7 + 7 + 7))) - 7) \\
&:= ((8 + 8)/8) \times (((8 \times (8 \times 88)) + (88/8)) + 8) \\
&:= ((9 + 9) \times (9 + 9)) + ((99/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11303 &:= 1 + (1 + (1 + (((11 - 1)^{1+1}) \times (1 + (1 + 111)))))) \\
&:= ((222/2 - 2)^2) - (((22 + 2)^2) + 2) \\
&:= ((3 + 3)^3) + ((33 \times (333 + 3)) - 3/3) \\
&:= 44 + ((4^4 \times 44) - (4/4 + 4)) \\
&:= (55/5) \times (((5 - 5/5)^5) - 5/5) + 5) - 5 \\
&:= ((6 + 6) \times (((6 + 6) \times ((66 + 6) + 6)) + 6)) - 6/6 \\
&:= (7 \times (77 \times (7 + 7 + 7))) - (((7 + 7)/7 + 7) + 7) \\
&:= (8/8 + 88) \times ((8 \times (8 + 8)) - 8/8) \\
&:= 99 + ((99 \times (99 + 9)) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11304 &:= (1 + 11) \times (1111 - ((1 + 1 + 11)^{1+1})) \\
&:= 2 \times (((22 \times (2^{2 \times (2+2)})) - 2) + 22) \\
&:= ((3 + 3)^3) + (33 \times (333 + 3)) \\
&:= 44 + (4^4 \times 44 - 4) \\
&:= 5 + (((5 \times 5 - 5) \times ((555 + 5) + 5)) - 5/5) \\
&:= (6 + 6) \times (((6 + 6) \times ((66 + 6) + 6)) + 6) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - ((7/7 + 7) + 7) \\
&:= ((8 + 8) \times ((8 \times 88) + 8)) - 88 \\
&:= 9 + (((9 + 9) \times ((9 \times 9) - 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11305 &:= 1 + ((1 + 11) \times (1111 - ((1 + 1 + 11)^{1+1}))) \\
&:= ((222/2 - 2)^2) - ((22 + 2)^2) \\
&:= 3/3 + ((33 \times (333 + 3)) + ((3 + 3)^3)) \\
&:= 44 + ((4^4 \times 44 - 4) + 4/4) \\
&:= 5 + ((5 \times 5 - 5) \times ((555 + 5) + 5)) \\
&:= ((66/6) + 6) \times (666 - 6/6) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - (7 + 7) \\
&:= 8/8 + (((8 + 8) \times ((8 \times 88) + 8)) - 88) \\
&:= 9 + (((9 + 9) \times ((9 \times 9) - 9)) + 9999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11306 &:= (1 + 1) \times ((11 \times (1 + (1 + ((1 + 1)^{11-1-1})))) - 1) \\
&:= (22 \times ((2^{(2/2+2)^2}) + 2)) - 2 \\
&:= (33 \times (3 + 3)) + ((33333/3) - 3) \\
&:= 44 + ((4^4 \times 44) - ((4 + 4)/4)) \\
&:= 5 + (((5 \times 5 - 5) \times ((555 + 5) + 5)) + 5/5) \\
&:= 6/6 + (((66/6) + 6) \times (666 - 6/6)) \\
&:= 7/7 + ((7 \times (77 \times (7 + 7 + 7))) - (7 + 7)) \\
&:= ((8 + 8)/8) + (((8 + 8) \times ((8 \times 88) + 8)) - 88) \\
&:= 9 + ((99/9) \times (((999 + 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11307 &:= 11111 + ((1 + 1 + 1 + 11)^{1+1}) \\
&:= (22 \times ((2^{(2/2+2)^2}) + 2)) - 2/2 \\
&:= 3 + ((33 \times (333 + 3)) + ((3 + 3)^3)) \\
&:= 44 + ((4^4 \times 44) - 4/4) \\
&:= 55 + (((5 + 5)/5) + 5)^5 - 5555 \\
&:= ((6 + 6)/6) + (((66/6) + 6) \times (666 - 6/6)) \\
&:= ((7 + 7) \times (7 + 7)) + (77777/7) \\
&:= 88/8 + ((8 + 8) \times (((8 + 8)/8) + (8 \times 88))) \\
&:= ((9/9 + 9 \times 9) \times (((999/9) + 9) + 9) + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11308 &:= 11 \times (1 + (1 + (1 + (1 + ((1 + 1)^{11-1})))))) \\
&:= 22 \times ((2^{(2/2+2)^2}) + 2) \\
&:= ((33/3)^{3/3+3}) - 3333 \\
&:= 44 + (4^4 \times 44) \\
&:= (55/5) \times (((5 - 5/5)^5) - 5/5) + 5) \\
&:= 6 + (((666 + 6)/6) - 6)^{(6+6)/6} + 66) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - (77/7) \\
&:= (8 \times (88 \times (8 + 8))) + (88/((8 + 8)/8)) \\
&:= (99/9) \times (((99/9) + 999) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11309 &:= 1 + (11 \times (1 + (1 + (1 + (1 + ((1 + 1)^{11-1})))))) \\
&:= 2/2 + (22 \times ((2^{(2/2+2)^2}) + 2)) \\
&:= (33 \times (3 + 3)) + (33333/3) \\
&:= 44 + (4^4 \times 44 + 4/4) \\
&:= (55/5) \times ((5 - 5/5)^5 + 5) - (5 + 5) \\
&:= (666 \times ((66/6) + 6)) - (6/6 + 6 + 6) \\
&:= ((7 - 77)/7) + (7 \times (77 \times (7 + 7 + 7))) \\
&:= (8 \times ((88 \times (8 + 8)) + 8)) - ((88/8) + 8) \\
&:= 99 + (99999/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11310 &:= (11 - 1) \times (1 + ((11 - 1) \times (1 + (1 + 111)))) \\
&:= 2 + (22 \times ((2^{(2/2+2)^2}) + 2)) \\
&:= (33 \times ((3/3 + 3 + 3)^3)) - (3 \times 3) \\
&:= 44 + (4^4 \times 44 + ((4 + 4)/4)) \\
&:= 5 + (((5 \times 5 - 5) \times ((555 + 5) + 5)) + 5) \\
&:= (6/6 - 66) \times ((6 \times (6 - 6 \times 6)) + 6) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - ((7 + 7)/7 + 7) \\
&:= (88 - 8/8) \times (8 \times (8 + 8) + ((8 + 8)/8)) \\
&:= 99 + ((999/9) \times (((9 + 9)/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11311 &:= ((1 + 111) \times (1 + ((11 - 1)^{1+1}))) - 1 \\
&:= 2 + ((22 \times ((2^{(2/2+2)^2}) + 2)) + 2/2) \\
&:= (333 \times (3/3 + 33)) - (33/3) \\
&:= 4 + (((4^4 \times 44) - 4/4) + 44) \\
&:= (55/5) + ((5 \times 5 - 5) \times ((555 + 5) + 5)) \\
&:= 6 + (((66/6) + 6) \times (666 - 6/6)) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - (7/7 + 7) \\
&:= 8 + ((8/8 + 88) \times ((8 \times (8 + 8)) - 8/8)) \\
&:= (9 \times 99) + ((99/9 + 9) \times (((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11312 &:= (1 + 111) \times (1 + ((11 - 1)^{1+1})) \\
&:= 2 + ((22 \times ((2^{(2/2+2)^2}) + 2)) + 2) \\
&:= 3 + ((33333/3) + (33 \times (3 + 3))) \\
&:= 4 + (4^4 \times 44 + 44) \\
&:= 5^5 + (((5 + 5)/5)^{(55+5+5)/5}) - 5 \\
&:= ((6 - 66)/6) + (666 \times ((66/6) + 6)) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - 7 \\
&:= (8 \times ((88 \times (8 + 8)) + 8)) - (8 + 8) \\
&:= (((9 + 9)/9) + 99) \times ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11313 &:= 1 + ((1 + 111) \times (1 + ((11 - 1)^{1+1}))) \\
&:= 2 + (((22 \times ((2^{(2/2+2)^2}) + 2)) + 2/2) + 2) \\
&:= 3^3 + (33 \times (333 + 3 \times 3)) \\
&:= 4 + (((4^4 \times 44) + 4/4) + 44) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5) - 5/5) + 5) \\
&:= ((6 - 6/6)^6) - (((6 + 6)/6)^{6+6}) + 6 \times 6 \times 6 \\
&:= 7/7 + ((7 \times (77 \times (7 + 7 + 7))) - 7) \\
&:= 8/8 + ((8 \times ((88 \times (8 + 8)) + 8)) - (8 + 8)) \\
&:= (9 \times (9 \times 9)) + ((99 + 9) \times (99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11314 &:= 1 + (1 + ((1 + 111) \times (1 + ((11 - 1)^{1+1})))) \\
&:= 2 + (((22 \times ((2^{(2/2+2)^2}) + 2)) + 2) + 2) \\
&:= 3 + ((333 \times (3/3 + 33)) - 33/3) \\
&:= 4 + (((4^4 \times 44) + ((4 + 4)/4)) + 44) \\
&:= (55/5 \times ((5 - 5/5)^5 + 5)) - 5 \\
&:= (666 \times ((66/6) + 6)) - ((6 + 6)/6 + 6) \\
&:= ((7 + 7)/7) + ((7 \times (77 \times (7 + 7 + 7))) - 7) \\
&:= ((8 + 8)/8) + ((8 \times ((88 \times (8 + 8)) + 8)) - (8 + 8)) \\
&:= ((9 + 9) \times (9 \times ((9 \times 9) - 9) + 9)) - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11315 &:= 1 + (1 + (1 + ((1 + 111) \times (1 + ((11 - 1)^{1+1})))))) \\
&:= (2 \times ((2 \times 22 + 2) \times (((22/2)^2) + 2))) - 2/2 \\
&:= (33 \times ((3/3 + 3 + 3)^3)) - (3/3 + 3) \\
&:= 4 + (((4^4 \times 44) - 4/4) + 44) + 4 \\
&:= ((5 - 5/5) \times ((5 \times 555) + 55)) - 5 \\
&:= (666 \times ((66/6) + 6)) - (6/6 + 6) \\
&:= 7 + ((7 \times (77 \times (7 + 7 + 7))) - (77/7)) \\
&:= 88/8 + (((8 + 8) \times ((8 \times 88) + 8)) - 88) \\
&:= ((9/9 - 9) + (9 \times 9)) \times (((9 + 9)/9) - 9) + (9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11316 &:= 1 + (1 + (1 + (1 + ((1 + 111) \times (1 + ((11 - 1)^{1+1})))))) \\
&:= 2 \times ((2 \times 22 + 2) \times (((22/2)^2) + 2)) \\
&:= (33 \times ((3/3 + 3 + 3)^3)) - 3 \\
&:= 4 + (((4^4 \times 44) + 44) + 4) \\
&:= (5 - 5/5) \times (((5 \times 555) - 5/5) + 55) \\
&:= (666 \times ((66/6) + 6)) - 6 \\
&:= ((7 + 7 + 7)/7) \times ((7 \times (7 \times 77)) - 7/7) \\
&:= (8 \times ((88 \times (8 + 8)) + 8)) - ((88 + 8)/8) \\
&:= (9/9 + (9 \times 9)) \times (((999/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11317 &:= (11 \times ((11 + (((1 + 1)^{11}) - 1)/(1 + 1))) - (1 + 1)) \\
&:= 2/2 + (2 \times ((2 \times 22 + 2) \times (((22/2)^2) + 2))) \\
&:= 3/3 + ((33 \times ((3/3 + 3 + 3)^3)) - 3) \\
&:= 4^4 \times 44 + ((4^4 - 44)/4) \\
&:= 5^5 + (((5 + 5)/5)^{(55+5+5)/5}) \\
&:= 6/6 + ((666 \times ((66/6) + 6)) - 6) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - ((7 + 7)/7) \\
&:= (8 \times ((88 \times (8 + 8)) + 8)) - (88/8) \\
&:= 9 \times 9 + (((99 - ((9 + 9)/9)) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11318 &:= (11 \times ((11 + (((1 + 1)^{11}) - 1)/(1 + 1))) - 1) \\
&:= 2 + (2 \times ((2 \times 22 + 2) \times (((22/2)^2) + 2))) \\
&:= (33 \times ((3/3 + 3 + 3)^3)) - 3/3 \\
&:= 44 + (4^4 \times 44 + ((44 - 4)/4)) \\
&:= (55/5 \times ((5 - 5/5)^5 + 5)) - 5/5 \\
&:= ((6 + 6)/6) + ((666 \times ((66/6) + 6)) - 6) \\
&:= (7 \times (77 \times (7 + 7 + 7))) - 7/7 \\
&:= ((8 - 88)/8) + (8 \times ((88 \times (8 + 8)) + 8)) \\
&:= 9 + (((99999/9) + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11319 &:= 11 \times ((11 + (((1 + 1)^{11}) - 1)/(1 + 1))) \\
&:= (22/2) + (22 \times ((2^{(2/2+2)^2}) + 2)) \\
&:= 33 \times ((3/3 + 3 + 3)^3) \\
&:= 44 + (4^4 \times 44 + 44/4) \\
&:= (55/5) \times ((5 - 5/5)^5 + 5) \\
&:= (66/6 + 66) \times ((666/6) + (6 \times 6)) \\
&:= 7 \times (77 \times (7 + 7 + 7)) \\
&:= (8 \times ((88 \times (8 + 8)) + 8)) - (8/8 + 8) \\
&:= (99/9) \times (((9999 - 9)/9) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11320 &:= 1 + (11 \times ((11 + (((1 + 1)^{11}) - 1)/(1 + 1)))) \\
&:= 2 \times ((2 \times 22 + 2) \times (((22/2)^2) + 2)) + 2 \\
&:= 3/3 + (33 \times ((3/3 + 3 + 3)^3)) \\
&:= 4 + (((4^4 \times 44) + 44) + 4) + 4 \\
&:= (5 - 5/5) \times ((5 \times 555) + 55) \\
&:= (666 \times ((66/6) + 6)) - ((6 + 6)/6) \\
&:= 7/7 + (7 \times (77 \times (7 + 7 + 7))) \\
&:= (8 \times ((88 \times (8 + 8)) + 8)) - 8 \\
&:= (99/9 + 9) \times ((9 \times ((9 \times 9) - (9 + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11321 &:= (111^{1+1}) - ((11-1)^{1+1+1}) \\
&:= 2 + ((22 \times ((2^{2/2+2})^2) + 2)) + (22/2) \\
&:= (333 \times (3/3 + 33)) - 3/3 \\
&:= 4 + (((4^4 - 44)/4) + (4^4 \times 44)) \\
&:= 5/5 + ((5-5/5) \times ((5 \times 555) + 55)) \\
&:= (666 \times ((66/6) + 6)) - 6/6 \\
&:= ((7+7)/7) + (7 \times (77 \times (7+7+7))) \\
&:= 8/8 + ((8 \times ((88 \times (8+8)) + 8)) - 8) \\
&:= 9 + (((9+9)/9) + 99) \times ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11322 &:= 111 \times (1 + (1 + ((11-1)^{1+1}))) \\
&:= 222 \times (((2 \times (22+2)) + 2/2) + 2) \\
&:= 333 \times (3/3 + 33) \\
&:= 4^4 \times 44 + (((4^4 - (4+4))/4) - 4) \\
&:= 5 + (((5+5)/5)^{(55+5+5)/5}) + 5^5 \\
&:= 666 \times ((66/6) + 6) \\
&:= ((7+7+7)/7) + (7 \times (77 \times (7+7+7))) \\
&:= ((8+8)/8) + ((8 \times ((88 \times (8+8)) + 8)) - 8) \\
&:= (9+9) \times ((9 \times (9 \times 9)) - (9/9+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11323 &:= 1 + (111 \times (1 + (1 + ((11-1)^{1+1})))) \\
&:= 2/2 + (222 \times (((2 \times (22+2)) + 2/2) + 2)) \\
&:= 3/3 + (333 \times (3/3 + 33)) \\
&:= 4^4 \times 44 + (((4^4 - 4)/4) - 4) \\
&:= 5 + ((55/5 \times ((5-5/5)^5 + 5)) - 5/5) \\
&:= 6/6 + (666 \times ((66/6) + 6)) \\
&:= (77/7) + ((7 \times (77 \times (7+7+7))) - 7) \\
&:= 88/8 + ((8 \times ((88 \times (8+8)) + 8)) - (8+8)) \\
&:= 9/9 + ((9+9) \times ((9 \times (9 \times 9)) - (9/9+99)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11324 &:= ((11 \times (11 + ((1+1)^{11})) - 1)/(1+1)) \\
&:= (22^{2/2+2}) + ((22+2+2)^2) \\
&:= 3 + ((333 \times (3/3 + 33)) - 3/3) \\
&:= 4 \times 4 + (4^4 \times 44 + 44) \\
&:= 5 + (55/5 \times ((5-5/5)^5 + 5)) \\
&:= ((6+6)/6) + (666 \times ((66/6) + 6)) \\
&:= 7 + ((7 \times (77 \times (7+7+7))) - ((7+7)/7)) \\
&:= (8 \times ((88 \times (8+8)) + 8)) - (8 \times 8/(8+8)) \\
&:= ((9+9)/9) + ((9+9) \times ((9 \times (9 \times 9)) - (9/9+99)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11325 &:= (1 + (11 \times (11 + ((1+1)^{11}))))/(1+1) \\
&:= 2/2 + ((22^{2/2+2}) + ((22+2+2)^2)) \\
&:= 3 + (333 \times (3/3 + 33)) \\
&:= ((4^4 + 4)/4) + (4^4 \times 44 - 4) \\
&:= (5+5+5) \times ((5 \times (5 \times (5 \times 5+5))) + 5) \\
&:= (6-6/6) \times ((6 \times (6 \times 66)) - (666/6)) \\
&:= 7 + ((7 \times (77 \times (7+7+7))) - 7/7) \\
&:= 8 + ((8 \times ((88 \times (8+8)) + 8)) - 88/8) \\
&:= 9 + ((9/9 + (9 \times 9)) \times (((999/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11326 &:= 1 + ((1 + (11 \times (11 + ((1+1)^{11}))))/(1+1)) \\
&:= 2 + ((22^{2/2+2}) + ((22+2+2)^2)) \\
&:= 3 + ((333 \times (3/3 + 33)) + 3/3) \\
&:= 4^4 \times 44 + ((4^4 - (4+4))/4) \\
&:= 5/5 + ((5+5+5) \times ((5 \times (5 \times (5 \times 5+5))) + 5)) \\
&:= 6 + ((666 \times ((66/6) + 6)) - ((6+6)/6)) \\
&:= 7 + (7 \times (77 \times (7+7+7))) \\
&:= (8 \times ((88 \times (8+8)) + 8)) - ((8+8)/8) \\
&:= 9 + (((99 - ((9+9)/9)) + 9)^{(9+9)/9}) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11327 &:= 1 + (1 + ((1 + (11 \times (11 + ((1+1)^{11}))))/(1+1))) \\
&:= ((22^2 - 2)/2) \times (((2 \times 22) + 2/2) + 2) \\
&:= ((3+3)^3) + (33333/3) \\
&:= 4^4 \times 44 + ((4^4 - 4)/4) \\
&:= 5 + (((5+5)/5)^{(55+5+5)/5}) + 5^5 \\
&:= 6 \times 6 \times 6 + (66666/6) \\
&:= 7 + ((7 \times (77 \times (7+7+7))) + 7/7) \\
&:= (8 \times ((88 \times (8+8)) + 8)) - 8/8 \\
&:= 9 + (((99999/9) + 99) + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11328 &:= (1+1+1) \times (((1+1)^{11}) + ((1+11)^{1+1+1})) \\
&:= 2 \times ((2^{2+2}) \times ((22 \times (2^{2+2})) + 2)) \\
&:= 3 + ((333 \times (3/3 + 33)) + 3) \\
&:= 4 \times (4 \times ((4 \times 4 \times 44) + 4)) \\
&:= 5 + ((55/5 \times ((5-5/5)^5 + 5)) - 5/5) + 5 \\
&:= 6 + (666 \times ((66/6) + 6)) \\
&:= 7 + ((7 \times (77 \times (7+7+7))) + (7+7)/7) \\
&:= 8 \times ((88 \times (8+8)) + 8) \\
&:= ((9+9) \times ((9 \times (9 \times 9)) - 99)) - ((99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11329 &:= 11111 + ((1+1) \times (111 - (1+1))) \\
&:= 222 + ((22222/2) - (2+2)) \\
&:= 3 + (((333 \times (3/3 + 33)) + 3/3) + 3) \\
&:= ((4^4 + 4)/4) + (4^4 \times 44) \\
&:= 5 + ((55/5 \times ((5-5/5)^5 + 5)) + 5) \\
&:= 6 + ((666 \times ((66/6) + 6)) + 6/6) \\
&:= ((77-7)/7) + (7 \times (77 \times (7+7+7))) \\
&:= 8/8 + (8 \times ((88 \times (8+8)) + 8)) \\
&:= ((9+9) \times ((9 \times (9 \times 9)) - 99)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11330 &:= 11 \times ((1 + (11 + ((1+1)^{11}))))/(1+1) \\
&:= 22 + (22 \times ((2^{2/2+2})^2) + 2) \\
&:= ((33/3)^3) + 3 \times 3333 \\
&:= 4^4 \times 44 + ((4^4 + 4 + 4)/4) \\
&:= 5 + ((5+5+5) \times ((5 \times (5 \times (5 \times 5+5))) + 5)) \\
&:= 6 + ((666 \times ((66/6) + 6)) + ((6+6)/6)) \\
&:= (77/7) + (7 \times (77 \times (7+7+7))) \\
&:= ((8+8)/8) + (8 \times ((88 \times (8+8)) + 8)) \\
&:= (99/9) \times (9999/9 - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11331 &:= 11111 + ((1+1) \times (111-1)) \\
&:= 222 + ((22222/2) - 2) \\
&:= 3 \times ((3 \times ((33/3)^3)) - ((3+3)^3)) \\
&:= 4 + (4^4 \times 44 + ((4^4 - 4)/4)) \\
&:= (5 \times 55) + ((55555/5) - 55) \\
&:= 6 + ((666 \times ((66/6) + 6)) + (6 \times 6/(6+6))) \\
&:= ((77+7)/7) + (7 \times (77 \times (7+7+7))) \\
&:= 88/8 + ((8 \times ((88 \times (8+8)) + 8)) - 8) \\
&:= ((9+9) \times ((9 \times (9 \times 9)) - 99)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11332 &:= 11111 + (((1+1) \times 111) - 1) \\
&:= 2 + ((22 \times ((2^{(2/2+2)^2}) + 2)) + 22) \\
&:= ((3/3 + 3 + 3)^3) + (33 \times 333) \\
&:= 4 + (4^4 \times 44 + (4 \times (4 \times 4))) \\
&:= ((5+5)/5) \times (5555 + (555/5)) \\
&:= ((66-6)/6) + (666 \times ((66/6) + 6)) \\
&:= 7 + (((7 \times (77 \times (7+7+7))) - 7/7) + 7) \\
&:= (8 \times 8/(8+8)) + (8 \times ((88 \times (8+8)) + 8)) \\
&:= 9/9 + (((9+9) \times ((9 \times (9 \times 9)) - 99)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11333 &:= 11111 + ((1+1) \times 111) \\
&:= 222 + (22222/2) \\
&:= 3 + ((3 \times 3333) + ((33/3)^3)) \\
&:= 4 + (((4^4 + 4)/4) + (4^4 \times 44)) \\
&:= 5 \times 5 + (55/5 \times (((5-5/5)^5) - 5/5) + 5) \\
&:= 6 + (66666/6 + 6 \times 6 \times 6) \\
&:= 7 + ((7 \times (77 \times (7+7+7))) + 7) \\
&:= 8 + (((8 \times ((88 \times (8+8)) + 8)) - 88/8) + 8) \\
&:= ((9+9)/9) + (((9+9) \times ((9 \times (9 \times 9)) - 99)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11334 &:= 1 + (11111 + ((1+1) \times 111)) \\
&:= 2/2 + ((22222/2) + 222) \\
&:= 3 + ((333 \times (3/3 + 33)) + 3 \times 3) \\
&:= 4 + (((4^4 + 4 + 4)/4) + (4^4 \times 44)) \\
&:= 5 + (((55/5 \times ((5-5/5)^5 + 5)) + 5) + 5) \\
&:= 6 + ((666 \times ((66/6) + 6)) + 6) \\
&:= 7 + (((7 \times (77 \times (7+7+7))) + 7/7) + 7) \\
&:= 8 + ((8 \times ((88 \times (8+8)) + 8)) - ((8+8)/8)) \\
&:= ((9+9+9)/9) + (((9+9) \times ((9 \times (9 \times 9)) - 99)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11335 &:= 11111 + ((1+1) \times (1+111)) \\
&:= 2 + ((22222/2) + 222) \\
&:= 3 + (((3/3 + 3 + 3)^3) + 33 \times 333) \\
&:= 4 + (((4^4 \times 44) + ((4^4 - 4)/4)) + 4) \\
&:= 5 + (((5+5+5) \times ((5 \times (5 \times (5 \times 5 + 5))) + 5)) + 5) \\
&:= 66 + (((6-6/6)^6) - (66 \times 66)) \\
&:= 7 + (((7 \times (77 \times (7+7+7))) + ((7+7)/7)) + 7) \\
&:= 8 + ((8 \times ((88 \times (8+8)) + 8)) - 8/8) \\
&:= 99 + (((99 - ((9+9)/9)) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11336 &:= 1 + (11111 + ((1+1) \times (1+111))) \\
&:= 2 \times (((2 \times ((2+2+2)^2))^2) + 22^2) \\
&:= 3 + (((3 \times 3333) + ((33/3)^3)) + 3) \\
&:= ((4^4 - 4) \times (44 + 4/4)) - 4 \\
&:= (5 \times (55 - (5+5))) + (55555/5) \\
&:= 6 + (((666 \times ((66/6) + 6)) + ((6+6)/6)) + 6) \\
&:= 7 + ((7 \times (77 \times (7+7+7))) + ((77-7)/7)) \\
&:= 8 + (8 \times ((88 \times (8+8)) + 8)) \\
&:= 9 \times 9 + (((99/9) \times (((9+9)/9)^{9+9})) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11337 &:= 11111 + ((1+1) \times (1 + (1+111))) \\
&:= 2 + (((22222/2) + 222) + 2) \\
&:= (3 \times (3+3)) + (33 \times ((3/3 + 3 + 3)^3)) \\
&:= 4 + (((4^4 + 4)/4) + (4^4 \times 44)) + 4) \\
&:= 5 + (((5+5)/5) \times (5555 + (555/5))) \\
&:= (6 \times 6/(6+6)) \times ((6 \times (666 - (6 \times 6))) - 6/6) \\
&:= 7 + ((7 \times (77 \times (7+7+7))) + (77/7)) \\
&:= 8 + ((8 \times ((88 \times (8+8)) + 8)) + 8/8) \\
&:= ((9+9) \times ((9 \times (9 \times 9)) - 99)) - ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11338 &:= ((111 - (1+1+1+1))^{1+1}) - 111 \\
&:= 2 + (2 \times (((2 \times ((2+2+2)^2))^2) + 22^2)) \\
&:= 3 + (((3/3 + 3 + 3)^3) + 33 \times 333) + 3) \\
&:= 4^4 \times 44 + (((4^4 - 4) + 44)/4) \\
&:= ((5 - (5+5)/5)^5) + (((5 \times 5 - 5) \times 555) - 5) \\
&:= ((6+6+6) \times (666 - (6 \times 6))) - ((6+6)/6) \\
&:= 7 + ((7 \times (77 \times (7+7+7))) + ((77+7)/7)) \\
&:= 8 + ((8 \times ((88 \times (8+8)) + 8)) + ((8+8)/8)) \\
&:= ((9+9) \times ((9 \times (9 \times 9)) - 99)) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11339 &:= 1 + (((111 - (1+1+1+1))^{1+1}) - 111) \\
&:= (22 + 2/2) \times ((22^2 - 2) + (22/2)) \\
&:= ((33/3)^3) + (3 \times (3333 + 3)) \\
&:= 4^4 \times 44 + (44 + 4^4)/4) \\
&:= 5 \times 5 + ((55/5 \times ((5-5/5)^5 + 5)) - 5) \\
&:= ((66/6) + 6) \times (666 + 6/6) \\
&:= ((77+7) \times (((7+7)/7)^7) + 7) - 7/7 \\
&:= 88/8 + (8 \times ((88 \times (8+8)) + 8)) \\
&:= ((9+9) \times ((9 \times (9 \times 9)) - 99)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11340 &:= (11-1) \times (1 + (11 + (11 + 1111))) \\
&:= 2 \times (((2 \times ((2+2+2)^2))^2) + 22^2) + 2) \\
&:= 3 \times (3 \times ((3+3) \times (((3+3)^3) - (3+3)))) \\
&:= (4^4 - 4) \times (44 + 4/4) \\
&:= (5+5) \times (((5-5/5)^5) + 55) + 55) \\
&:= (6+6+6) \times (666 - (6 \times 6)) \\
&:= (77+7) \times (((7+7)/7)^7) + 7) \\
&:= ((88+8)/8) + (8 \times ((88 \times (8+8)) + 8)) \\
&:= (9+9) \times ((9 \times (9 \times 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11341 &:= 11 \times (1 + ((1 + (11 + ((1 + 1)^{11}))/ (1 + 1))) \\
&:= (2 \times (22 \times ((2^{2 \times (2+2)} + 2))) - (22/2)) \\
&:= 3/3 + (3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) - (3 + 3)))) \\
&:= 4/4 + ((4^4 - 4) \times (44 + 4/4)) \\
&:= (55/5) \times (((5 - 5/5)^5) + ((5 + 5)/5) + 5) \\
&:= 6/6 + ((6 + 6 + 6) \times (666 - (6 \times 6))) \\
&:= 7/7 + ((77 + 7) \times (((7 + 7)/7)^7) + 7) \\
&:= 88 + ((8 \times (88 \times (8 + 8))) - 88/8) \\
&:= 9/9 + ((9 + 9) \times ((9 \times (9 \times 9)) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11342 &:= 11111 + (11 \times (11 + (11 - 1))) \\
&:= (2 \times ((22 \times ((2^{2 \times (2+2)} + 2)) - (2 + 2))) - 2) \\
&:= 3 + ((3 \times (3333 + 3)) + ((33/3)^3)) \\
&:= 4^4 + ((44 \times (4^4 - 4)) - ((4 + 4)/4)) \\
&:= ((555/5) - 5) \times (((555 + 5)/5) - 5) \\
&:= ((6 + 6)/6) + ((6 + 6 + 6) \times (666 - (6 \times 6))) \\
&:= ((7 + 7)/7) + ((77 + 7) \times (((7 + 7)/7)^7) + 7) \\
&:= 8 + (((8 \times (88 \times (8 + 8)) + 8)) - ((8 + 8)/8) + 8) \\
&:= ((9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11343 &:= 111 + ((11^{1+1}) + 11111) \\
&:= 2 + ((2 \times (22 \times ((2^{2 \times (2+2)} + 2))) - (22/2)) \\
&:= 3 + (3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) - (3 + 3)))) \\
&:= 4^4 + ((44 \times (4^4 - 4)) - 4/4) \\
&:= ((5 - (5 + 5)/5)^5) + ((5 \times 5 - 5) \times 555) \\
&:= (666/6) + ((6 + 6) \times ((6 + 6) \times ((66 + 6) + 6))) \\
&:= ((7 + 7 + 7)/7) \times (((7 \times (7 \times 77)) + 7/7) + 7) \\
&:= 8 + (((8 \times (88 \times (8 + 8)) + 8)) - 8/8) + 8) \\
&:= ((9 + 9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11344 &:= 11 + (11111 + ((1 + 1) \times 111)) \\
&:= 2 \times ((22 \times ((2^{2 \times (2+2)} + 2)) - (2 + 2)) \\
&:= (3^3 + 3) + (((33 - 33/3)^3) - 33) \\
&:= 4^4 + (44 \times (4^4 - 4)) \\
&:= 5 \times 5 + (55/5 \times ((5 - 5/5)^5 + 5)) \\
&:= 6 + (((6 + 6 + 6) \times (666 - (6 \times 6))) - ((6 + 6)/6)) \\
&:= 7 + (((7 \times (77 \times (7 + 7 + 7))) + (77/7)) + 7) \\
&:= 8 + ((8 \times (88 \times (8 + 8)) + 8) + 8) \\
&:= 9 + (((99 - ((9 + 9)/9)) + 9)^{(9+9)/9}) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11345 &:= 1 + (11 + (11111 + ((1 + 1) \times 111))) \\
&:= ((222/2)^2) - (2 \times ((22^2 + 2) + 2)) \\
&:= 3^3 + ((33 \times ((3/3 + 3 + 3)^3)) - 3/3) \\
&:= 4^4 \times 44 + ((4 - 4/4)^4) \\
&:= 5^5 + ((5 \times (((5 - 5/5)^5) - 5)) + 5^5) \\
&:= 6 + (((66/6) + 6) \times (666 + 6/6)) \\
&:= 7 + (((7 \times (77 \times (7 + 7 + 7))) + ((77 + 7)/7)) + 7) \\
&:= 8 + (((8 \times (88 \times (8 + 8)) + 8) + 8/8) + 8) \\
&:= 9 \times 9 + ((99/9) \times (((9 + 9)/9)^{9/9+9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11346 &:= 11 + (11111 + ((1 + 1) \times (1 + 111))) \\
&:= ((22 + 2) \times (22^2 - 2)) - 222 \\
&:= 3^3 + (33 \times ((3/3 + 3 + 3)^3)) \\
&:= 4/4 + (4^4 \times 44 + ((4 - 4/4)^4)) \\
&:= ((5/5 + 5)^5) + ((55 \times (55 + 5 + 5)) - 5) \\
&:= 6 + ((6 + 6 + 6) \times (666 - (6 \times 6))) \\
&:= 7 + (((77 + 7) \times (((7 + 7)/7)^7) + 7) - 7/7) \\
&:= 8 + (((8 \times (88 \times (8 + 8)) + 8)) + ((8 + 8)/8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11347 &:= 111 + ((111 - (1 + 1 + 1 + 1 + 1))^{1+1}) \\
&:= ((222/2)^2) - ((2 \times (22^2 + 2)) + 2) \\
&:= 3^3 + ((33 \times ((3/3 + 3 + 3)^3)) + 3/3) \\
&:= 4 + (((44 \times (4^4 - 4)) - 4/4) + 4^4) \\
&:= 5 + (((555/5) - 5) \times (((555 + 5)/5) - 5)) \\
&:= 6 + (((6 + 6 + 6) \times (666 - (6 \times 6))) + 6/6) \\
&:= 7 + ((77 + 7) \times (((7 + 7)/7)^7) + 7) \\
&:= 8 + ((8 \times (88 \times (8 + 8)) + 8) + (88/8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11348 &:= ((11 - 1) \times (111 + ((1 + 1)^{11-1}))) - (1 + 1) \\
&:= 2 \times ((22 \times ((2^{2 \times (2+2)} + 2)) - 2) \\
&:= 3^3 + ((333 \times (3/3 + 33)) - 3/3) \\
&:= 4 + ((44 \times (4^4 - 4)) + 4^4) \\
&:= 5 + (((5 \times 5 - 5) \times 555) + ((5 - (5 + 5)/5)^5)) \\
&:= 6 + (((6 + 6 + 6) \times (666 - (6 \times 6))) + ((6 + 6)/6)) \\
&:= 7 + (((77 + 7) \times (((7 + 7)/7)^7) + 7) + 7/7) \\
&:= 8 + ((8 \times (88 \times (8 + 8)) + 8) + ((88 + 8)/8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11349 &:= ((11 - 1) \times (111 + ((1 + 1)^{11-1}))) - 1 \\
&:= ((222/2)^2) - (2 \times (22^2 + 2)) \\
&:= 3^3 + (333 \times (3/3 + 33)) \\
&:= 4 + (4^4 \times 44 + ((4 - 4/4)^4)) \\
&:= 5 + ((55/5 \times ((5 - 5/5)^5 + 5)) + 5 \times 5) \\
&:= ((6 \times 6/(6 + 6)) + 6) \times ((6 \times (6 \times 6 \times 6 - 6)) + 6/6) \\
&:= ((7 \times (7 + 7)) - 7/7) \times (((777 - 7)/7) + 7) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) - 88/8) + 88) \\
&:= 9 + ((9 + 9) \times ((9 \times (9 \times 9)) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11350 &:= (11 - 1) \times (111 + ((1 + 1)^{11-1})) \\
&:= (2 \times (22 \times ((2^{2 \times (2+2)} + 2))) - 2) \\
&:= 3^3 + ((333 \times (3/3 + 33)) + 3/3) \\
&:= (44 \times ((4 + 4)/4 + 4^4)) - ((4 + 4)/4) \\
&:= 5^5 + (5 \times ((55 \times (5 \times 5 + 5)) - 5)) \\
&:= (((66/6) + 6) \times (666 + ((6 + 6)/6))) - 6 \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - (77/7 + 7) \\
&:= 88 + ((8 \times (88 \times (8 + 8))) - ((8 + 8)/8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11351 &:= 1 + ((11 - 1) \times (111 + ((1 + 1)^{11-1}))) \\
&:= ((222/2)^2) - ((2 \times 22^2) + 2) \\
&:= (33 \times (333 + (33/3))) - 3/3 \\
&:= (44 \times ((4 + 4)/4 + 4^4)) - 4/4 \\
&:= ((5/5 + 5)^5) + (55 \times (55 + 5 + 5)) \\
&:= 6 + (((66/6) + 6) \times (666 + 6/6)) + 6) \\
&:= (77/7) + ((77 + 7) \times (((7 + 7)/7)^7) + 7) \\
&:= 88 + ((8 \times (88 \times (8 + 8))) - 8/8) \\
&:= (99/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11352 &:= 11 \times (11 + (((1 + 1)^{11-1}) - (1 + 1 + 1))) \\
&:= 2 \times (22 \times ((2^{2 \times (2+2)} + 2)) \\
&:= 33 \times (333 + (33/3)) \\
&:= 44 \times ((4 + 4)/4 + 4^4) \\
&:= 5^5 + ((5 \times ((55 \times (5 \times 5 + 5)) - 5)) + ((5 + 5)/5)) \\
&:= 6 + (((6 + 6 + 6) \times (666 - (6 \times 6))) + 6) \\
&:= ((7 + 7 + 7)/7) \times ((7 \times (7 \times 77)) + (77/7)) \\
&:= 88 + (8 \times (88 \times (8 + 8))) \\
&:= ((99 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11353 &:= 11111 + ((1 + 1) \times (11^{1+1})) \\
&:= ((222/2)^2) - (2 \times 22^2) \\
&:= 3/3 + (33 \times (333 + (33/3))) \\
&:= 4/4 + (44 \times ((4 + 4)/4 + 4^4)) \\
&:= ((5 - (5 + 5)/5)^5) + ((5 + 5) \times (5555/5)) \\
&:= 6 + (((6 + 6 + 6) \times (666 - (6 \times 6))) + 6/6) + 6) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - ((7/7 + 7) + 7) \\
&:= 8/8 + ((8 \times (88 \times (8 + 8))) + 88) \\
&:= (9 \times (9 + 9 + 9)) + ((9/9 + 9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11354 &:= 1 + (11111 + ((1 + 1) \times (11^{1+1}))) \\
&:= 2 + (2 \times (22 \times ((2^{2 \times (2+2)} + 2))) \\
&:= (3 \times (3 \times 3^3)) + (33333/3) \\
&:= ((4 + 4)/4) + (44 \times ((4 + 4)/4 + 4^4)) \\
&:= ((5 - (5 + 5)/5)^5) + (55555/5) \\
&:= 66 + (((66/6) + 6) \times (666 - ((6 + 6)/6))) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - (7 + 7) \\
&:= 88 + ((8 \times (88 \times (8 + 8))) + ((8 + 8)/8)) \\
&:= (9 \times (9 + 9 + 9)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11355 &:= 11111 + ((1 + 1) \times (1 + (11^{1+1}))) \\
&:= 2 + (((222/2)^2) - (2 \times 22^2)) \\
&:= 3 + (33 \times (333 + (33/3))) \\
&:= 4 + ((44 \times ((4 + 4)/4 + 4^4)) - 4/4) \\
&:= 5 + ((5 \times ((55 \times (5 \times 5 + 5)) - 5)) + 5^5) \\
&:= (6 - 6/6) \times (((6 \times (6 \times 66)) - (666/6)) + 6) \\
&:= 7/7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) - (7 + 7)) \\
&:= 8 + (((8 \times ((88 \times (8 + 8)) + 8)) + (88/8)) + 8) \\
&:= 9/9 + ((99999/9) + (9 \times (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11356 &:= 1 + (11111 + ((1 + 1) \times (1 + (11^{1+1})))) \\
&:= 2 \times ((22 \times ((2^{2 \times (2+2)} + 2)) + 2) \\
&:= (3/3 + 33) \times (333 + 3/3) \\
&:= 4 + (44 \times ((4 + 4)/4 + 4^4)) \\
&:= 5 + ((55 \times (55 + 5 + 5)) + ((5/5 + 5)^5)) \\
&:= ((66/6) + 6) \times (666 + ((6 + 6)/6)) \\
&:= (7 \times ((7 \times 7) - (7 + 7))) + (77777/7) \\
&:= 88 + ((8 \times (88 \times (8 + 8))) + (8 \times 8/(8 + 8))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) - ((9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11357 &:= 11111 + ((1 + 1) \times (1 + (1 + (11^{1+1})))) \\
&:= (222/2)^2 + (2 \times (2 - 22^2)) \\
&:= 3 + ((33333/3) + (3 \times (3 \times 3^3))) \\
&:= 4 + ((44 \times ((4 + 4)/4 + 4^4)) + 4/4) \\
&:= 5^5 + (((5 - (5 + 5)/5) + 5) \times ((5 - 5/5)^5 + 5)) \\
&:= 6 \times 6 + ((666 \times ((66/6) + 6)) - 6/6) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - (77/7) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) - 88/8) + 88) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11358 &:= 1 + (11111 + ((1 + 1) \times (1 + (1 + (11^{1+1})))))) \\
&:= 2 + (2 \times ((22 \times ((2^{2 \times (2+2)} + 2)) + 2)) \\
&:= 3 + ((33 \times (333 + (33/3))) + 3) \\
&:= 4 + ((44 \times ((4 + 4)/4 + 4^4)) + ((4 + 4)/4)) \\
&:= (((5^5 + 5)/5) + 5) \times (((55 + 5 + 5)/5) + 5) \\
&:= 6 \times 6 + (666 \times ((66/6) + 6)) \\
&:= ((7 - 77)/7) + (7 \times ((77 \times (7 + 7 + 7)) + 7)) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) - ((8 + 8)/8)) + 88) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11359 &:= ((11 - 1) \times (1 + (111 + ((1 + 1)^{11-1})))) - 1 \\
&:= 2 + (((222/2)^2) + (2 \times (2 - 22^2))) \\
&:= 3 + ((3/3 + 33) \times (333 + 3/3)) \\
&:= (44 \times (4^4 + 4)) - ((4 - 4/4)^4) \\
&:= (((5 + 5)/5)^5) + 5 \times ((5^5 - 55)/(5 + 5)) \\
&:= 6 \times 6 + ((666 \times ((66/6) + 6)) + 6/6) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - ((7 + 7)/7 + 7) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) - 8/8) + 88) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11360 &:= (11 - 1) \times (1 + (111 + ((1 + 1)^{11-1}))) \\
&:= 2 \times (((22 \times ((2^{2 \times (2+2)} + 2)) + 2) + 2) \\
&:= 33 + ((33333/3) + ((3 + 3)^3)) \\
&:= (44 \times (4^4 + 4 + 4)) - 4^4 \\
&:= (5 + 5) \times ((5555/5) + 5 \times 5) \\
&:= 6 \times 6 + ((666 \times ((66/6) + 6)) + ((6 + 6)/6)) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - (7/7 + 7) \\
&:= 8 + ((8 \times (88 \times (8 + 8))) + 88) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11361 &:= 1 + ((11 - 1) \times (1 + (111 + ((1 + 1)^{11-1})))) \\
&:= (222/2)^2 + (2 \times ((2 - 2^2) + 2)) \\
&:= 3 \times 3 + (33 \times (333 + (33/3))) \\
&:= 4 \times 4 + (4^4 \times 44 + ((4 - 4/4)^4)) \\
&:= (5 \times 5 \times (5 + 5)) + (55555/5) \\
&:= (6/6 + 6) \times ((6 \times (6 \times (6 \times 6 + 6))) + 666/6) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - 7 \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + 88) + 8/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11362 &:= (11 \times (11 + (((1 + 1)^{11-1}) - (1 + 1)))) - 1 \\
&:= 2 + (2 \times (((22 \times ((2^{2 \times (2+2)} + 2)) + 2) + 2)) \\
&:= 3 + (((3/3 + 33) \times (333 + 3/3)) + 3) \\
&:= 4^4 + ((44444/4) - (4/4 + 4)) \\
&:= 5/5 + (55555/5 + (5 \times 5 \times (5 + 5))) \\
&:= 6 + (((66/6) + 6) \times (666 + ((6 + 6)/6))) \\
&:= 7/7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) - 7) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + ((8 + 8)/8)) + 88) \\
&:= (9 \times (9 + 9)) + ((9/9 + 9) \times (9999/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11363 &:= 11 \times (11 + (((1 + 1)^{11-1}) - (1 + 1))) \\
&:= (22/2) + (2 \times (22 \times ((2^{2 \times (2+2)} + 2))) \\
&:= (33/3) \times (((3 \times 3) + 3/3)^3) + 33 \\
&:= 4^4 + ((44444/4) - 4) \\
&:= (55/5) \times (((5 - 5/5)^5) - 5/5 + 5) + 5 \\
&:= (6 \times (6 \times 6 + 6)) + (66666/6) \\
&:= ((7 + 7)/7) + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) - 7) \\
&:= 88 + ((8 \times (88 \times (8 + 8))) + (88/8)) \\
&:= (99/9) \times (((9 + 9)/9)^{9/9+9}) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11364 &:= 111 + (11 \times (((1 + 1)^{11-1}) - 1)) \\
&:= 2 \times (((22 \times ((2^{2 \times (2+2)} + 2)) + 2) + 2) + 2) \\
&:= (3 \times (3 \times (((3 + 3)^{3/3+3}) - 33))) - 3 \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) - 4^4) \\
&:= 5^5 + ((5 \times (55 \times (5 \times 5 + 5))) - (55/5)) \\
&:= 6 + ((666 \times ((66/6) + 6)) + (6 \times 6)) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) - (77/7)) \\
&:= 88 + ((8 \times (88 \times (8 + 8))) + ((88 + 8)/8)) \\
&:= 9/9 + ((99/9) \times (((9 + 9)/9)^{9/9+9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11365 &:= 1 + (111 + (11 \times (((1 + 1)^{11-1}) - 1))) \\
&:= (2^{2 \times (2+2)}) + ((22222/2) - 2) \\
&:= 3 \times 3 + ((3/3 + 33) \times (333 + 3/3)) \\
&:= 4^4 \times 44 + (4444/44) \\
&:= 5 + ((5 + 5) \times ((5555/5) + 5 \times 5)) \\
&:= 6 + (((666 \times ((66/6) + 6)) + (6 \times 6)) + 6/6) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - ((7 + 7 + 7)/7) \\
&:= (8 \times (88 \times (8 + 8))) + (8888/88) \\
&:= 9999 + ((9 \times ((9 \times (9 + 9)) - 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11366 &:= 1 + (1 + (111 + (11 \times (((1 + 1)^{11-1}) - 1)))) \\
&:= 2 + (2 \times (((22 \times ((2^{2 \times (2+2)} + 2)) + 2) + 2) + 2)) \\
&:= 3 + (((33/3) \times (((3 \times 3) + 3/3)^3) + 33)) \\
&:= 4^4 + (44444/4 - 4/4) \\
&:= 5 + (55555/5 + (5 \times 5 \times (5 + 5))) \\
&:= 6 + (((666 \times ((66/6) + 6)) + ((6 + 6)/6)) + (6 \times 6)) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - ((7 + 7)/7) \\
&:= (8 \times (88 \times (8 + 8))) + (((888 - 8)/8) - 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) - 9/9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11367 &:= 11111 + ((1 + 1)^{(1+1)^{1+1+1}}) \\
&:= (2^{2 \times (2+2)}) + (22222/2) \\
&:= 3 \times (3 \times (((3 + 3)^{3/3+3}) - 33)) \\
&:= 4^4 + (44444/4) \\
&:= 5^5 + ((5 \times 5) + 5/5) \times (((5^5 - 5)/(5 + 5)) + 5) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - ((666/6) + 6) \\
&:= (7 \times ((77 \times (7 + 7 + 7)) + 7)) - 7/7 \\
&:= (888/8) + ((8 \times (88 \times (8 + 8))) - 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11368 &:= 1 + (11111 + ((1 + 1)^{(1+1)^{1+1+1}})) \\
&:= 2 \times ((22 \times ((2^{2 \times (2+2)} + 2)) + 2) + (2 \times (2 + 2))) \\
&:= 3/3 + (3 \times (3 \times (((3 + 3)^{3/3+3}) - 33))) \\
&:= 4 \times 4 + (44 \times ((4 + 4)/4 + 4^4)) \\
&:= (55 + 5/5) \times (((5^5 - 5)/(5 + 5 + 5)) - 5) \\
&:= 6 + (((66/6) + 6) \times (666 + ((6 + 6)/6))) + 6 \\
&:= 7 \times ((77 \times (7 + 7 + 7)) + 7) \\
&:= 8 + ((8 \times (88 \times (8 + 8))) + 88) + 8 \\
&:= (99 - 9/9) \times (((99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11369 &:= 111 + (((11 \times (((1 + 1)^{11} - 1)) - 1)/(1 + 1)) \\
&:= 2 + ((22222/2) + (2^{2 \times (2+2)})) \\
&:= 3 + (((33/3) \times (((3 \times 3) + 3/3)^3) + 33)) + 3 \\
&:= 4 + ((4444/44) + (4^4 \times 44)) \\
&:= (55/5 \times (((5 - 5/5)^5 + 5) + 5)) - 5 \\
&:= 6 + (66666/6 + (6 \times (6 \times 6 + 6))) \\
&:= 7/7 + (7 \times ((77 \times (7 + 7 + 7)) + 7)) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + 88) + 8/8 + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) + (99/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11370 &:= 111 + ((1 + (11 \times (((1 + 1)^{11} - 1)))/(1 + 1)) \\
&:= 22 + (2 \times ((22 \times ((2^{2 \times (2+2)} + 2)) - 2)) \\
&:= 3 + (3 \times (3 \times (((3 + 3)^{3/3+3}) - 33))) \\
&:= 4^4 \times 44 + (((444 - 4)/4) - 4) \\
&:= 5^5 + ((5 \times ((5 - 5/5)^5)) + 5^5) \\
&:= (6 - 6 \times 6) \times (((66/6) - (6 \times 66)) + 6) \\
&:= ((7 + 7)/7) + (7 \times ((77 \times (7 + 7 + 7)) + 7)) \\
&:= ((8 + 8)/8) \times ((8 \times ((8 \times 88) + 8)) - 88/8) \\
&:= (9/9 + 9) \times (((9999 - 9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11371 &:= ((111 - 1)^{1+1}) - ((11 - 1 - 1)^{1+1+1}) \\
&:= 2 + (((22222/2) + (2^{2 \times (2+2)})) + 2) \\
&:= (3^{3+3}) + (((33 - 33/3)^3) - (3 + 3)) \\
&:= 4 + (44444/4 + 4^4) \\
&:= 5^5 + (((5 \times ((5 - 5/5)^5)) + 5/5) + 5^5) \\
&:= 66 + (((66/6) + 6) \times (666 - 6/6)) \\
&:= ((7 + 7 + 7)/7) + (7 \times ((77 \times (7 + 7 + 7)) + 7)) \\
&:= 8 + (((8 \times (88 \times (8 + 8))) + (88/8)) + 88) \\
&:= (((99/9) + 99)^{(9+9)/9}) - (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11372 &:= (11 \times ((11 \times 111) - 1)) - ((1 + 1)^{11}) \\
&:= 22 + ((2 \times (22 \times ((2^{2 \times (2+2)} + 2))) - 2) \\
&:= (3/3 + 3) \times (((33/3 + 3)^3) + (3 \times 33)) \\
&:= 44 + (4^4 \times 44 + (4 \times (4 \times 4))) \\
&:= 55 + (((5 + 5)/5)^{(55+5+5)/5}) + 5^5 \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - ((666 + 6)/6) \\
&:= (77/7) + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) - 7) \\
&:= (88/((8 + 8)/8)) + (8 \times ((88 \times (8 + 8)) + 8)) \\
&:= 9 + (99/9) \times (((9 + 9)/9)^{9/9+9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11373 &:= (11 \times (11 + (((1 + 1)^{11-1}) - 1))) - 1 \\
&:= (22^2 \times (22 + 2)) - ((22^2 + 2)/2) \\
&:= 3 + ((3 \times (3 \times (((3 + 3)^{3/3+3}) - 33))) + 3) \\
&:= 44 + (((4^4 + 4)/4) + (4^4 \times 44)) \\
&:= 5^5 + ((5 \times (55 \times (5 \times 5 + 5))) - ((5 + 5)/5)) \\
&:= ((66/6) + 6) \times ((6 \times 6/(6 + 6)) + 666) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) - ((7 + 7)/7)) \\
&:= ((8 + 8) \times ((8 \times 88) + 8)) - ((88/8) + 8) \\
&:= (9 \times (9 + 9)) + ((999/9) \times ((9 + 9)/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11374 &:= 11 \times (11 + (((1 + 1)^{11-1}) - 1)) \\
&:= 22 + (2 \times (22 \times ((2^{2 \times (2+2)} + 2))) \\
&:= (3^{3+3}) + (((33 - 33/3)^3) - 3) \\
&:= 4^4 \times 44 + ((444 - 4)/4) \\
&:= (55/5) \times (((5 - 5/5)^5 + 5) + 5) \\
&:= (66/6) \times (((6666 - 66)/6) - 66) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) - 7/7) \\
&:= (8 \times (88 \times (8 + 8))) + ((888 - 8)/8) \\
&:= (99/9) \times (((999 - 9/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11375 &:= 111 + (11 \times ((1 + 1)^{11-1})) \\
&:= 22 + (((222/2)^2) - (2 \times 22^2)) \\
&:= ((3 \times 3 + 3 + 3)^3) + (((33/3) + 3 \times 3)^3) \\
&:= 4^4 \times 44 + (444/4) \\
&:= 5^5 + (5 \times (55 \times (5 \times 5 + 5))) \\
&:= 6 \times 6 + (((66/6) + 6) \times (666 + 6/6)) \\
&:= 7 + (7 \times ((77 \times (7 + 7 + 7)) + 7)) \\
&:= (888/8) + (8 \times (88 \times (8 + 8))) \\
&:= 9999 + ((9 \times ((9 \times (9 + 9)) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11376 &:= 1 + (111 + (11 \times ((1 + 1)^{11-1}))) \\
&:= (22 + 2) \times (((2 - 22)/2) + 22^2) \\
&:= 3 \times ((3 \times (((3 + 3)^{3/3+3}) - 33)) + 3) \\
&:= (44 \times (4^4 + 4)) - (4 \times (4 \times 4)) \\
&:= 5^5 + ((5 \times (55 \times (5 \times 5 + 5))) + 5/5) \\
&:= 6 \times (((6 + 6 + 6) \times (666/6 - 6)) + 6) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) + 7/7) \\
&:= (8 + 8) \times (((8 \times 88) - 8/8) + 8) \\
&:= 9999 + (9 \times ((9 \times (9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11377 &:= 1 + (1 + (111 + (11 \times ((1 + 1)^{11-1})))) \\
&:= (22^{2/2+2}) + ((2/2 + 2)^{2+2+2}) \\
&:= (3^{3+3}) + ((33 - 33/3)^3) \\
&:= ((4 - 4^4)/4) + (44 \times (4^4 + 4)) \\
&:= 5^5 + ((5 \times (55 \times (5 \times 5 + 5))) + ((5 + 5)/5)) \\
&:= ((6 - 6/6)^6) + ((6 + 6) \times ((6 \times (6 - 66)) + 6)) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) + (7 + 7)/7) \\
&:= 8/8 + ((8 + 8) \times (((8 \times 88) - 8/8) + 8)) \\
&:= 9 + ((99 - 9/9) \times (((99 - 9/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11378 &:= 1 + (1 + (1 + (111 + (11 \times ((1 + 1)^{11-1})))))) \\
&:= 2 + ((22 + 2) \times (((2 - 22)/2) + 22^2)) \\
&:= 3/3 + (((33 - 33/3)^3) + (3^{3+3})) \\
&:= 4 + (((444 - 4)/4) + (4^4 \times 44)) \\
&:= 5 + ((5 \times (55 \times (5 \times 5 + 5))) - ((5 + 5)/5)) + 5^5 \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) - ((666 + 6)/6)) \\
&:= ((77 - 7)/7) + (7 \times ((77 \times (7 + 7 + 7)) + 7)) \\
&:= ((8 + 8)/8) + ((8 + 8) \times (((8 \times 88) - 8/8) + 8)) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times (9 + 9)) - 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11379 &:= 1 + (1 + (1 + (1 + (111 + (11 \times ((1 + 1)^{11-1})))))) \\
&:= 2 + (((2/2 + 2)^{2+2+2}) + (22^{2/2+2})) \\
&:= 3^3 + (33 \times (333 + (33/3))) \\
&:= 4 + (4^4 \times 44 + (444/4)) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5 + 5) + 5)) \\
&:= 6 + (((66/6) + 6) \times ((6 \times 6/(6 + 6)) + 666)) \\
&:= (77/7) + (7 \times ((77 \times (7 + 7 + 7)) + 7)) \\
&:= ((8 + 8) \times ((8 \times 88) + 8)) - ((88 + 8 + 8)/8) \\
&:= 9 + (((99 \times 99) + (999/9)) + (9 \times (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11380 &:= 111 + (((11 \times (1 + ((1 + 1)^{11}))) - 1)/(1 + 1)) \\
&:= 2 + (((22 + 2) \times (((2 - 22)/2) + 22^2)) + 2) \\
&:= 3 + (((33 - 33/3)^3) + (3^{3+3})) \\
&:= 4 + ((44 \times (4^4 + 4)) - (4 \times (4 \times 4))) \\
&:= 5 + ((5 \times (55 \times (5 \times 5 + 5))) + 5^5) \\
&:= (6 - 6/6) \times ((6 \times ((6 \times 66) - 6)) - (((6 + 6)/6)^6)) \\
&:= ((77 + 7)/7) + (7 \times ((77 \times (7 + 7 + 7)) + 7)) \\
&:= ((8 + 8) \times ((8 \times 88) + 8)) - ((88 + 8)/8) \\
&:= (9/9 + 9) \times (((9999/9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11381 &:= 111 + ((1 + (11 \times (1 + ((1 + 1)^{11})))) / (1 + 1)) \\
&:= ((22/2)^2) + (2 \times ((22 \times (2^{2 \times (2+2)})) - 2)) \\
&:= (3 \times 3 \times (3^3 + 3)) + (33333/3) \\
&:= 4 + ((44 \times (4^4 + 4)) + ((4 - 4^4)/4)) \\
&:= (5 \times 55) + (55555/5 - 5) \\
&:= 6 + (((66/6) + 6) \times (666 + 6/6)) + (6 \times 6) \\
&:= 7 + (((7 \times ((77 \times (7 + 7 + 7)) + 7)) - 7/7) + 7) \\
&:= ((8 + 8) \times ((8 \times 88) + 8)) - (88/8) \\
&:= 9 + (((99/9) \times (((9 + 9)/9)^{9/9+9}) + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11382 &:= (11 \times (11 \times 111)) - (1 + ((1 + 1)^{11})) \\
&:= (22 \times ((22 + 2/2)^2)) - (2^{2 \times (2+2)}) \\
&:= (33 \times ((333 + 3 \times 3) + 3)) - 3 \\
&:= 4 + (((444 - 4)/4) + (4^4 \times 44)) + 4 \\
&:= 5 + (((5 \times (55 \times (5 \times 5 + 5))) + ((5 + 5)/5)) + 5^5) \\
&:= 66 + ((666 \times ((66/6) + 6)) - 6) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) + 7) \\
&:= ((8 - 88)/8) + ((8 + 8) \times ((8 \times 88) + 8)) \\
&:= ((9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11383 &:= (11 \times (11 \times 111)) - ((1 + 1)^{11}) \\
&:= ((22/2) \times (((2^{22/2}) + 22)/2)) - 2 \\
&:= 3 + (((33 - 33/3)^3) + (3^{3+3})) + 3 \\
&:= 4 + (((4^4 \times 44) + (444/4)) + 4) \\
&:= (5 \times 55) + (((5 + 5)/5) \times (5555 - 5/5)) \\
&:= (((6 \times (6 + 6 + 6)) - 6/6)^{(6+6)/6}) - 66 \\
&:= 7 + (((7 \times ((77 \times (7 + 7 + 7)) + 7)) + 7/7) + 7) \\
&:= ((8 + 8) \times ((8 \times 88) + 8)) - (8/8 + 8) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) - 9))) - ((99/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11384 &:= (11 \times (11 + ((1 + 1)^{11-1})) - 1) \\
&:= 2 \times ((22 \times ((2^{2 \times (2+2)} + 2)) + (2^{2+2})) \\
&:= (33 \times ((333 + 3 \times 3) + 3)) - 3/3 \\
&:= 44 + ((4^4 - 4) \times (44 + 4/4)) \\
&:= 5 + ((55/5 \times (((5 - 5/5)^5 + 5) + 5)) + 5) \\
&:= ((6 + 6) \times ((6 \times 6 \times 6) - 6)) - (((6 + 6)/6)^{6+6}) \\
&:= 7 + (((7 \times ((77 \times (7 + 7 + 7)) + 7)) + ((7 + 7)/7)) + 7) \\
&:= ((8 + 8) \times ((8 \times 88) + 8)) - 8 \\
&:= (99 \times (((99 - ((9 + 9)/9)) + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11385 &:= 11 \times (11 + ((1 + 1)^{11-1})) \\
&:= (22/2) \times (((2^{22/2}) + 22)/2) \\
&:= 33 \times ((333 + 3 \times 3) + 3) \\
&:= (44/4) \times ((44/4) + (4 \times 4^4)) \\
&:= 5 + (((5 \times (55 \times (5 \times 5 + 5))) + 5^5) + 5) \\
&:= (6 \times (66 - 6)) + (((666/6 - 6)^{(6+6)/6}) \\
&:= 77 + ((7 \times (77 \times (7 + 7 + 7))) - (77/7)) \\
&:= 8/8 + (((8 + 8) \times ((8 \times 88) + 8)) - 8) \\
&:= 99 \times (((99 - ((9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11386 &:= 1 + (11 \times (11 + ((1 + 1)^{11-1}))) \\
&:= ((22 + 2 + 2) \times ((2 \times (222 - 2)) - 2)) - 2 \\
&:= 3/3 + (33 \times ((333 + 3 \times 3) + 3)) \\
&:= 4^4 \times 44 + ((444 + 44)/4) \\
&:= (5 \times 55) + (55555/5) \\
&:= (((6 + 6)/6)^6) + (666 \times ((66/6) + 6)) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) + (77/7)) \\
&:= ((8 + 8)/8) + (((8 + 8) \times ((8 \times 88) + 8)) - 8) \\
&:= 9/9 + (99 \times (((99 - ((9 + 9)/9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11387 &:= 1 + (1 + (11 \times (11 + ((1 + 1)^{11-1})))) \\
&:= 2 + ((22/2) \times (((2^{22/2}) + 22)/2)) \\
&:= 3 + ((33 \times ((333 + 3 \times 3) + 3)) - 3/3) \\
&:= ((44 - 4^4)/4) + (44 \times (4^4 + 4)) \\
&:= 5/5 + (55555/5 + (5 \times 55)) \\
&:= 66 + ((666 \times ((66/6) + 6)) - 6/6) \\
&:= 7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) + ((77 + 7)/7)) \\
&:= 88/8 + ((8 + 8) \times (((8 \times 88) - 8/8) + 8)) \\
&:= ((9 + 9)/9) + (99 \times (((99 - ((9 + 9)/9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11388 &:= 1 + (1 + (1 + (11 \times (11 + ((1 + 1)^{11-1})))))) \\
&:= (22 + 2 + 2) \times ((2 \times (222 - 2)) - 2) \\
&:= 3 + (33 \times ((333 + 3 \times 3) + 3)) \\
&:= 44 + ((44 \times (4^4 - 4)) + 4^4) \\
&:= (5 \times 5^5) - (((5555 + 5)/5) + 5^5) \\
&:= 66 + (666 \times ((66/6) + 6)) \\
&:= (7/7 + 77) \times ((7 \times (7 + 7 + 7)) - 7/7) \\
&:= ((8 + 8) \times ((8 \times 88) + 8)) - (8 \times 8/(8 + 8)) \\
&:= ((99 + 9)/9) \times (9999/9 - (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11389 &:= 1 + (1 + (1 + (1 + (11 \times (11 + ((1 + 1)^{11-1})))))) \\
&:= 2 + (((22/2) \times (((2^{22/2}) + 22)/2)) + 2) \\
&:= 3 + ((33 \times ((333 + 3 \times 3) + 3)) + 3/3) \\
&:= 4 + ((44/4) \times ((44/4) + (4 \times 4^4))) \\
&:= (5 \times 5 \times 5) + (55/5 \times ((5 - 5/5)^5)) \\
&:= 66 + ((666 \times ((66/6) + 6)) + 6/6) \\
&:= 77 + ((7 \times (77 \times (7 + 7 + 7))) - 7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) - 88/8) \\
&:= 9 + ((9/9 + 9) \times (((9999/9 + 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11390 &:= (11 - 1) \times (((11 - 1) \times (1 + (1 + (1 + 111)))) - 1) \\
&:= 2 + ((22 + 2 + 2) \times ((2 \times (222 - 2)) - 2)) \\
&:= (3/3 + 33) \times ((333 - 3/3) + 3) \\
&:= 4^4 \times 44 + ((4^4 - 4)/((4 + 4)/4)) \\
&:= (5 + 5) \times (((5^5 - 555) + 5^5)/5) \\
&:= ((66/6) + 6) \times ((666 - ((6 + 6)/6)) + 6) \\
&:= 7/7 + (((7 \times (77 \times (7 + 7 + 7))) - 7) + 77) \\
&:= ((8 + 8) \times ((8 \times 88) + 8)) - ((8 + 8)/8) \\
&:= 99 + (((99999/9) + 99) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11391 &:= 1 + ((11 - 1) \times (((11 - 1) \times (1 + (1 + (1 + 111)))) - 1)) \\
&:= (22^2 \times (22 + 2)) - ((222 + 2/2) + 2) \\
&:= 3 + ((33 \times ((333 + 3 \times 3) + 3)) + 3) \\
&:= 4 \times 4 + (4^4 \times 44 + (444/4)) \\
&:= 5 + (55555/5 + (5 \times 55)) \\
&:= 6 + (((666/6 - 6)^{(6+6)/6}) + (6 \times (66 - 6))) \\
&:= 77 + (((7 \times (77 \times (7 + 7 + 7))) - 7) + (7 + 7)/7) \\
&:= ((8 + 8) \times ((8 \times 88) + 8)) - 8/8 \\
&:= ((9 + 9) \times (9 \times ((9 \times 9) - 9) - 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11392 &:= ((1 + 111) \times ((11^{1+1}) - 1)) - ((1 + 1)^{11}) \\
&:= 2 \times (((2 \times 2 \times 22)^2) - (2^{22/2})) \\
&:= 3 + (((33 \times ((333 + 3 \times 3) + 3)) + 3/3) + 3) \\
&:= 4 \times (4 \times (((4 \times 4 \times 44) + 4) + 4)) \\
&:= (5 - 5/5) \times (5^5 - ((5 \times 55) + ((5 + 5)/5))) \\
&:= (((6 + 6)/6)^6) \times (((666 + 6)/6) + 66) \\
&:= (((7 + 7)/7)^7) \times (((77 + 7)/7) + 77) \\
&:= (8 + 8) \times ((8 \times 88) + 8) \\
&:= ((9 - 999)/9) + ((9 + 9) \times (9 \times ((9 \times 9) - 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11393 &:= (11 \times (1 + (11 \times 111))) - (1 + ((1 + 1)^{11})) \\
&:= (22^2 \times (22 + 2)) - (222 + 2/2) \\
&:= 3 + ((3/3 + 33) \times ((333 - 3/3) + 3)) \\
&:= 4/4 + (4^4 \times 44 + (4 \times (4 \times (4 + 4)))) \\
&:= 5 + ((5 \times 5^5) - (((5555 + 5)/5) + 5^5)) \\
&:= 66 + (66666/6 + 6 \times 6 \times 6) \\
&:= 7 + (((7 \times ((77 \times (7 + 7 + 7)) + 7)) + (77/7)) + 7) \\
&:= 8/8 + ((8 + 8) \times ((8 \times 88) + 8)) \\
&:= (9 \times (9 \times ((9 \times (9 + 9) - 9))) - (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11394 &:= (11 \times (1 + (11 \times 111))) - ((1 + 1)^{11}) \\
&:= (22^2 \times (22 + 2)) - 222 \\
&:= 3 \times ((33 \times (((333 + 3)/3) + 3)) + 3) \\
&:= 4^4 \times 44 + ((4^4 + 4)/((4 + 4)/4)) \\
&:= 5 + ((55/5 \times ((5 - 5/5)^5)) + 5 \times 5 \times 5) \\
&:= 6 + ((666 \times ((66/6) + 6)) + 66) \\
&:= 77 + ((7 \times (77 \times (7 + 7 + 7))) - ((7 + 7)/7)) \\
&:= ((8 + 8)/8) + ((8 + 8) \times ((8 \times 88) + 8)) \\
&:= (9 \times (9 \times ((9 \times (9 + 9) - 9))) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11395 &:= (11 \times (1 + (11 + ((1 + 1)^{11-1})))) - 1 \\
&:= ((222/2 - 2)^2) - (22^2 + 2) \\
&:= (((3 + 3)^3) - 3/3) \times ((3^3 - 3/3) + 3^3) \\
&:= (44 \times (4^4 + 4)) - (44 + 4/4) \\
&:= ((5 - 5/5) \times (5^5 - (5 \times 55))) - 5 \\
&:= ((6 - 6/6)^6) - ((66 \times (((6 + 6)/6)^6)) + 6) \\
&:= 77 + ((7 \times (77 \times (7 + 7 + 7))) - 7/7) \\
&:= 88/8 + (((8 + 8) \times ((8 \times 88) + 8)) - 8) \\
&:= 9/9 + ((9 \times (9 \times ((9 \times (9 + 9) - 9))) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11396 &:= 11 \times (1 + (11 + ((1 + 1)^{11-1}))) \\
&:= 22 \times ((2 \times ((2^{2 \times (2+2)} + 2)) + 2) \\
&:= (33/3) + (33 \times ((333 + 3 \times 3) + 3)) \\
&:= 44 \times ((4^4 - 4/4) + 4) \\
&:= (5 - 5/5) \times (5^5 - (5 \times 55 + 5/5)) \\
&:= 6 + (((66/6) + 6) \times ((666 - ((6 + 6)/6) + 6)) \\
&:= 77 + (7 \times (77 \times (7 + 7 + 7))) \\
&:= (8 \times 8/(8 + 8)) + ((8 + 8) \times ((8 \times 88) + 8)) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times ((9 \times (9 + 9) - 9)) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11397 &:= 1 + (11 \times (1 + (11 + ((1 + 1)^{11-1})))) \\
&:= ((222/2 - 2)^2) - 22^2 \\
&:= 3 \times (((3/3 + 3)^{3+3}) - (3 \times 3 \times 33)) \\
&:= 4/4 + (44 \times ((4^4 - 4/4) + 4)) \\
&:= 5 + ((5 - 5/5) \times (5^5 - ((5 \times 55) + ((5 + 5)/5)))) \\
&:= (6 \times 6 \times 6 \times 6) + 666666/66 \\
&:= 7/7 + ((7 \times (77 \times (7 + 7 + 7))) + 77) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) - 88/8) + 8) \\
&:= 9 + (((9 + 9)/9) \times (9999/9 - (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11398 &:= 1 + (1 + (11 \times (1 + (11 + ((1 + 1)^{11-1})))))) \\
&:= 2 + (22 \times ((2 \times ((2^{2 \times (2+2)} + 2)) + 2)) \\
&:= 3 + (((3 + 3)^3) - 3/3) \times ((3^3 - 3/3) + 3^3) \\
&:= ((4 + 4)/4) + (44 \times ((4^4 - 4/4) + 4)) \\
&:= ((5 - 5/5) \times (5^5 - (5 \times 55))) - ((5 + 5)/5) \\
&:= 6 + (((6 + 6)/6)^6) \times (((666 + 6)/6) + 66) \\
&:= 77 + ((7 \times (77 \times (7 + 7 + 7))) + (7 + 7)/7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) - ((8 + 8)/8)) \\
&:= (9 \times (9 + 9)) + (((99 - ((9 + 9)/9)) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11399 &:= 11111 + ((1 + 1) \times ((1 + 11)^{1+1})) \\
&:= 2 + (((222/2 - 2)^2) - 22^2) \\
&:= (3 \times (3 \times 33 - 3)) + (33333/3) \\
&:= 4 + ((44 \times (4^4 + 4)) - (44 + 4/4)) \\
&:= ((5 - 5/5) \times (5^5 - (5 \times 55))) - 5/5 \\
&:= (6 \times (6 \times 6 + 6 + 6)) + (66666/6) \\
&:= 7 + (((7 + 7)/7)^7) \times (((77 + 7)/7) + 77) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) - 8/8) \\
&:= 99 + ((9/9 + 99) \times (((999 + 9) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11400 &:= ((11 - 1)^{1+1}) \times (1 + (1 + (1 + 111))) \\
&:= (2 - 22) \times (((2 - ((22 + 2)^2)) + 2) + 2) \\
&:= (3 \times 3^3) + (33 \times ((3/3 + 3 + 3)^3)) \\
&:= 4 + (44 \times ((4^4 - 4/4) + 4)) \\
&:= (5 - 5/5) \times (5^5 - (5 \times 55)) \\
&:= ((6/6 + 6 + 6) + 6) \times (666 - 66) \\
&:= 77 + (((7 \times (77 \times (7 + 7 + 7))) - 7) + (77/7)) \\
&:= 8 + ((8 + 8) \times ((8 \times 88) + 8)) \\
&:= (9/9 + 99) \times (((999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11401 &:= 1 + (((11 - 1)^{1+1}) \times (1 + (1 + (1 + 111)))) \\
&:= 2 + (((222/2 - 2)^2) - 22^2) + 2 \\
&:= 3^3 + (((33 - 33/3)^3) - 3) + (3^{3+3}) \\
&:= 4 + ((44 \times ((4^4 - 4/4) + 4)) + 4/4) \\
&:= 5/5 + ((5 - 5/5) \times (5^5 - (5 \times 55))) \\
&:= ((6 - 6/6)^6) - (66 \times (((6 + 6)/6)^6)) \\
&:= 7 + (((7 \times (77 \times (7 + 7 + 7))) - ((7 + 7)/7)) + 77) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + 8/8) \\
&:= (((9 \times 9) - (99/9)) \times ((9 \times (9 + 9)) + 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11402 &:= 1 + (1 + (((11 - 1)^{1+1}) \times (1 + (1 + (1 + 111)))))) \\
&:= 2 + ((2 - 22) \times (((2 - (22 + 2)^2)) + 2) + 2) \\
&:= ((3 - 3/3)^{3 \times 3}) + (33 \times (333 - 3)) \\
&:= 4 + ((44 \times ((4^4 - 4/4) + 4)) + ((4 + 4)/4)) \\
&:= ((5 + 5)/5) + ((5 - 5/5) \times (5^5 - (5 \times 55))) \\
&:= 6/6 + (((6 - 6/6)^6) - (66 \times (((6 + 6)/6)^6))) \\
&:= 7 + (((7 \times (77 \times (7 + 7 + 7))) - 7/7) + 77) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + ((8 + 8)/8)) \\
&:= (9 \times 99) + (((9 + 9)/9)^9) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11403 &:= 1 + (1 + (1 + (((11 - 1)^{1+1}) \times (1 + (1 + (1 + 111)))))) \\
&:= ((222/2 - 2 - 2)^2) - (2 \times 22 + 2) \\
&:= 3 \times (3 \times (((33/3)^3) - ((3/3 + 3)^3))) \\
&:= ((4^4 - 4)/4) \times (((4 \times 44) + 4/4) + 4) \\
&:= 5 + (((5 - 5/5) \times (5^5 - (5 \times 55))) - ((5 + 5)/5)) \\
&:= (66 - (6 \times 6/(6 + 6))) \times ((6 \times (6 \times 6 - 6)) + 6/6) \\
&:= 7 + ((7 \times (77 \times (7 + 7 + 7))) + 77) \\
&:= 88/8 + ((8 + 8) \times ((8 \times 88) + 8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9) - 9) - 9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11404 &:= (11 \times (((1 + 1)^{11}) - 1)) - (1 + (1 + 11111)) \\
&:= (2 \times ((22 - 2)^2)) + (22 \times (22^2 - 2)) \\
&:= 3^3 + (((33 - 33/3)^3) + (3^{3+3})) \\
&:= 4 + ((44 \times ((4^4 - 4/4) + 4)) + 4) \\
&:= (5 - 5/5) \times ((5/5 - (5 \times 55)) + 5^5) \\
&:= (((6 + 6)/6)^6) + ((6 + 6) \times (666 - (6 \times 6))) \\
&:= 7 + (((7 \times (77 \times (7 + 7 + 7))) + 77) + 7/7) \\
&:= ((88 + 8)/8) + ((8 + 8) \times ((8 \times 88) + 8)) \\
&:= 9/9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9) - 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11405 &:= (11 \times (((1 + 1)^{11}) - 1)) - (1 + 11111) \\
&:= ((222/2 - 2 - 2)^2) - (2 \times 22) \\
&:= (3 \times 3 \times 33) + ((33333/3) - 3) \\
&:= (((444/4) - 4)^{(4+4)/4}) - 44 \\
&:= 5 + ((5 - 5/5) \times (5^5 - (5 \times 55))) \\
&:= 66 + (((66/6) + 6) \times (666 + 6/6)) \\
&:= (7 \times ((7 \times 7) - 7)) + (77777/7) \\
&:= 88 + ((8 \times ((88 \times (8 + 8)) + 8)) - 88/8) \\
&:= ((9 + 9)/9) + (((9 + 9) \times ((9 \times (9 \times 9) - 9) - 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11406 &:= (11 \times (((1 + 1)^{11}) - 1)) - 11111 \\
&:= ((2 + 2 + 2) \times (((2 \times 22)^2) + 2)) - 222 \\
&:= 3 + ((333 \times (3/3 + 33)) + (3 \times 3^3)) \\
&:= ((44 - 4)/4) + (44 \times ((4^4 - 4/4) + 4)) \\
&:= 5 + (((5 - 5/5) \times (5^5 - (5 \times 55))) + 5/5) \\
&:= 66 + ((6 + 6 + 6) \times (666 - (6 \times 6))) \\
&:= (7 \times 77) + (((7 + 7) \times 777) - (77/7)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) - ((8 + 8)/8)) + 8 \\
&:= (((999/9) - 9) \times ((999 + 9)/9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11407 &:= 11 \times (1 + (1 + (11 + ((1 + 1)^{11-1})))) \\
&:= 2 + (((222/2 - 2 - 2)^2) - (2 \times 22)) \\
&:= (33 \times (((3/3 + 3 + 3)^3) + 3)) - (33/3) \\
&:= (44/4) + (44 \times ((4^4 - 4/4) + 4)) \\
&:= (55/5) \times (((5 \times 5^5) + 5)/(5 + 5 + 5)) - 5 \\
&:= ((66/6) + 6) \times ((666 - 6/6) + 6) \\
&:= 77 + ((7 \times (77 \times (7 + 7 + 7))) + (77/7)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) - 8/8) + 8 \\
&:= (99/9) \times (((99/9) + 999) + 9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11408 &:= 1 + (11 \times (1 + (1 + (11 + ((1 + 1)^{11-1})))))) \\
&:= 2 \times (2 \times ((2 \times 22 + 2) \times ((2^{2+2+2}) - 2))) \\
&:= (3 \times 3 \times 33) + (33333/3) \\
&:= (44 \times (4^4 + 4)) - (4 \times (4 + 4)) \\
&:= (5 - 5/5) \times (((5 + 5)/5) - (5 \times 55)) + 5^5 \\
&:= 6/6 + (((66/6) + 6) \times ((666 - 6/6) + 6)) \\
&:= 77 + ((7 \times (77 \times (7 + 7 + 7))) + ((77 + 7)/7)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + 8) \\
&:= 99 + (((99999/9) + 99) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11409 &:= 1 + (1 + (11 \times (1 + (1 + (11 + ((1 + 1)^{11-1})))))) \\
&:= (2 \times (2 - 22)) + ((222/2 - 2 - 2)^2) \\
&:= (33 \times (((3/3 + 3 + 3)^3) + 3)) - (3 \times 3) \\
&:= 4/4 + ((44 \times (4^4 + 4)) - 4 \times (4 + 4)) \\
&:= 5 + ((5 - 5/5) \times ((5/5 - (5 \times 55)) + 5^5)) \\
&:= (6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) - (666/6) \\
&:= (7 \times 77) + (((7 + 7) \times 777) - (7/7 + 7)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + 8/8 + 8) \\
&:= 9 + ((9/9 + 99) \times (((999 + 9) + 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11410 &:= (11 - 1) \times (1 + ((11 - 1) \times (1 + (1 + (1 + 111)))))) \\
&:= (2/2 + 2 + 2) \times (((2 \times (22 + 2))^2) - 22) \\
&:= 33 + (((33 - 33/3)^3) + (3^{3+3})) \\
&:= 4^4 + ((4 - 444)/4 + 4^4 \times 44) \\
&:= 5 + (((5 - 5/5) \times (5^5 - (5 \times 55))) + 5) \\
&:= ((6 \times 6) - 6/6) \times (((6 - 6/6) \times (((6 + 6)/6)^6)) + 6) \\
&:= (7 \times 77) + (((7 + 7) \times 777) - 7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + ((8 + 8)/8)) + 8 \\
&:= ((9 \times 9) - (99/9)) \times ((9 \times (9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11411 &:= 11 + (((11-1)^{1+1}) \times (1 + (1 + (1 + 111)))) \\
&:= 2 + (((222/2 - 2 - 2)^2) + (2 \times (2 - 22))) \\
&:= 3 + ((33333/3) + (3 \times 3 \times 33)) \\
&:= 44 + (44444/4 + 4^4) \\
&:= (5 \times (55 + 5)) + (55555/5) \\
&:= (6 \times ((6 \times ((6 \times (6 \times 6 + 6)) + 66)) - 6)) - 6/6 \\
&:= 7/7 + (((7 + 7) \times 777) - 7) + (7 \times 77) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + (88/8)) \\
&:= (9 \times (9 \times 9)) + ((99 \times (99 + 9)) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11412 &:= ((1 + (1 + 111)) \times (1 + ((11-1)^{1+1}))) - 1 \\
&:= ((22 + 2 + 2) \times (((22 - 2/2)^2) - 2)) - 2 \\
&:= 3 \times ((3 \times (((3 + 3)^{3/3+3}) - 3^3)) - 3) \\
&:= 4 + ((44 \times (4^4 + 4)) - 4 \times (4 + 4)) \\
&:= ((5^5 - 5)/(5 + 5)) + ((5 \times 5 - 5) \times 555) \\
&:= 6 \times ((6 \times ((6 \times (6 \times 6 + 6)) + 66)) - 6) \\
&:= 7 + ((77777/7) + (7 \times ((7 \times 7) - 7))) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + ((88 + 8)/8)) \\
&:= (9 \times (9 \times 9)) + ((99 \times (99 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11413 &:= (1 + (1 + 111)) \times (1 + ((11-1)^{1+1})) \\
&:= ((222/2) + 2) \times (2222/22) \\
&:= ((3/3 + 33) \times (333 + 3)) - (33/3) \\
&:= (44 \times (4^4 + 4)) - (44/4 + 4 \times 4) \\
&:= ((5^5 + 5)/(5 + 5)) + ((5 \times 5 - 5) \times 555) \\
&:= ((6 - 6/6)^6) - (6 \times (666 + (6 \times 6))) \\
&:= 7 + (((7 + 7) \times 777) - (77/7)) + (7 \times 77) \\
&:= ((88 + 8) \times ((888/8) + 8)) - (88/8) \\
&:= 9/9 + (((99 \times (99 + 9)) - 9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11414 &:= 1 + ((1 + (1 + 111)) \times (1 + ((11-1)^{1+1}))) \\
&:= (22 + 2 + 2) \times (((22 - 2/2)^2) - 2) \\
&:= (33 \times (((3/3 + 3 + 3)^3) + 3)) - (3/3 + 3) \\
&:= ((4 - 44)/4) + ((44 \times (4^4 + 4)) - 4 \times 4) \\
&:= (5 \times (5 \times 5 + 5)) + (55/5 \times ((5 - 5/5)^5)) \\
&:= 6/6 + (((6 - 6/6)^6) - (6 \times (666 + (6 \times 6)))) \\
&:= 7 + (((7 \times (77 \times (7 + 7 + 7))) + (77/7)) + 77) \\
&:= 88 + ((8 \times ((88 \times (8 + 8)) + 8)) - ((8 + 8)/8)) \\
&:= (9 \times (9 \times 9)) + (((99 \times (99 + 9)) - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11415 &:= 1 + (1 + ((1 + (1 + 111)) \times (1 + ((11-1)^{1+1})))) \\
&:= 2 + (((222/2) + 2) \times (2222/22)) \\
&:= (33 \times (((3/3 + 3 + 3)^3) + 3)) - 3 \\
&:= 4 + ((44444/4 + 4^4) + 44) \\
&:= (55 \times ((5^5 - 5)/(5 + 5 + 5))) - (5 \times 5) \\
&:= (6 \times 66) + (((666/6 - 6)^{(6+6)/6}) - 6) \\
&:= (7 \times 77) + (((7 + 7) \times 777) - ((7 + 7)/7)) \\
&:= 88 + ((8 \times ((88 \times (8 + 8)) + 8)) - 8/8) \\
&:= (((999/9) - 9) \times ((999 + 9)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11416 &:= (11 \times ((1 + 1)^{11})) - (1 + 11111) \\
&:= (22 \times ((22 + 2/2)^2)) - 222 \\
&:= 3/3 + ((33 \times (((3/3 + 3 + 3)^3) + 3)) - 3) \\
&:= (44 \times (4^4 + 4)) - ((4 \times 4 + 4) + 4) \\
&:= 5 + (55555/5 + (5 \times (55 + 5))) \\
&:= 6666 + ((6 \times (66 \times (6 + 6))) - ((6 + 6)/6)) \\
&:= (7 \times 77) + (((7 + 7) \times 777) - 7/7) \\
&:= 88 + (8 \times ((88 \times (8 + 8)) + 8)) \\
&:= 9 + ((99/9) \times (((99/9) + 999) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11417 &:= (11 \times ((1 + 1)^{11})) - 11111 \\
&:= ((222/2 - 2 - 2)^2) - (2 \times (2^{2+2})) \\
&:= (33 \times (((3/3 + 3 + 3)^3) + 3)) - 3/3 \\
&:= 4 + ((44 \times (4^4 + 4)) - (44/4 + 4 \times 4)) \\
&:= 5 + (((5 \times 5 - 5) \times 555) + ((5^5 - 5)/(5 + 5))) \\
&:= 6666 + ((6 \times (66 \times (6 + 6))) - 6/6) \\
&:= 7 \times (((77 \times (7 + 7 + 7)) + 7) + 7) \\
&:= 8/8 + ((8 \times ((88 \times (8 + 8)) + 8)) + 88) \\
&:= ((9 + 9) \times (9 + 9)) + ((99999/9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11418 &:= 1 + ((11 \times ((1 + 1)^{11})) - 11111) \\
&:= 2 + ((22 \times ((22 + 2/2)^2)) - 222) \\
&:= 33 \times (((3/3 + 3 + 3)^3) + 3) \\
&:= (44/4) \times ((4 \times (4^4 + 4)) - ((4 + 4)/4)) \\
&:= (55/5) \times (((5 \times 5^5) - 55)/(5 + 5 + 5)) \\
&:= 66 \times ((6 \times (6 \times 6 - 6)) - (6/6 + 6)) \\
&:= 7/7 + (((7 + 7) \times 777) + (7 \times 77)) \\
&:= 88 + ((8 \times ((88 \times (8 + 8)) + 8)) + ((8 + 8)/8)) \\
&:= (9 \times (9 \times 9)) + ((99 \times (99 + 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11419 &:= 1 + (1 + ((11 \times ((1 + 1)^{11})) - 11111)) \\
&:= 22 + (((222/2 - 2)^2) - 22^2) \\
&:= 3/3 + (33 \times (((3/3 + 3 + 3)^3) + 3)) \\
&:= 44 + (4^4 \times 44 + (444/4)) \\
&:= ((5 \times 5) - (5/5 + 5)) \times (((5^5 + 5)/5) - (5 \times 5)) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (666 + (6 \times 6)))) \\
&:= (7 \times 77) + (((7 + 7) \times 777) + (7 + 7)/7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + (88/8) + 8) \\
&:= 9 + (((9 \times 9) - (99/9)) \times ((9 \times (9 + 9)) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11420 &:= 1 + (1 + (1 + ((11 \times ((1 + 1)^{11})) - 11111))) \\
&:= 2 \times ((2 \times ((22 + 2) \times (((22/2)^2) - 2))) - 2) \\
&:= 3 + ((33 \times (((3/3 + 3 + 3)^3) + 3)) - 3/3) \\
&:= (44 \times (4^4 + 4)) - (4 \times 4 + 4) \\
&:= (5 - 5/5) \times ((5^5 - (5 \times 55)) + 5) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - (((6 + 6)/6)^6) \\
&:= (7 \times 77) + (((7 + 7) \times 777) + ((7 + 7 + 7)/7)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + ((88 + 8)/8) + 8) \\
&:= (9 \times (9 \times 9)) + ((99 \times (99 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11421 &:= (111^{1+1}) - (((11-1) \times (1+1+1))^{1+1}) \\
&:= ((22^2+2)/2) \times (((2 \times 22) + 2/2) + 2) \\
&:= 3 + (33 \times (((3/3+3+3)^3) + 3)) \\
&:= 4/4 + ((44 \times (4^4+4)) - (4 \times 4 + 4)) \\
&:= 5/5 + (((5-5/5) \times ((5^5 - (5 \times 55)) + 5)) \\
&:= (6 \times 66) + (((666/6-6)^{(6+6)/6}) \\
&:= (7 \times 77) + (((7+7) \times 777) - 7) + (77/7)) \\
&:= (8/8+8) \times (((8+8) \times (88-8)) - 88/8) \\
&:= (9 \times (9 \times 9)) + (99 \times (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11422 &:= ((1+111)^{1+1}) - (11+1111) \\
&:= ((22+2) \times (22^2 - (2 \times (2+2)))) - 2 \\
&:= 3 + ((33 \times (((3/3+3+3)^3) + 3)) + 3/3) \\
&:= (44 \times (4^4+4)) - (((4+4)/4) + 4 \times 4) \\
&:= (5 \times 5^5) + (((((5+5)/5) + 5^5) + 5) / (5/5-5)) \\
&:= (((6+6)/6)^{6+6}) + (66 \times (666/6)) \\
&:= 7 + (((7+7) \times 777) - ((7+7)/7)) + (7 \times 77)) \\
&:= ((88+8) \times ((888/8) + 8)) - ((8+8)/8) \\
&:= 9/9 + ((99 \times (99+9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11423 &:= ((1+111) \times (1+(1+((11-1)^{1+1})))) - 1 \\
&:= ((222/2-2-2)^2) - (22+2+2) \\
&:= ((3/3+33) \times (333+3)) - 3/3 \\
&:= (44 \times (4^4+4)) - ((4 \times 4) + 4/4) \\
&:= 5^5 + (((5+5)/5) \times (((5-5/5)^5) + 5^5)) \\
&:= (((66/6)+6) \times (666+6)) - 6/6 \\
&:= 7 + (((7+7) \times 777) - 7/7) + (7 \times 77)) \\
&:= ((88+8) \times ((888/8) + 8)) - 8/8 \\
&:= (9 \times (9 \times 9)) + ((99 \times (99+9)) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11424 &:= (1+111) \times (1+(1+((11-1)^{1+1}))) \\
&:= (22+2) \times (22^2 - (2 \times (2+2))) \\
&:= (3/3+33) \times (333+3) \\
&:= (44 \times (4^4+4)) - (4 \times 4) \\
&:= (5-5/5) \times (((5/5 - (5 \times 55)) + 5^5) + 5) \\
&:= ((66/6)+6) \times (666+6) \\
&:= 7 + (((7+7) \times 777) + (7 \times 77)) \\
&:= (88+8) \times ((888/8) + 8) \\
&:= ((999/9) - 9) \times ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11425 &:= 1 + ((1+111) \times (1+(1+((11-1)^{1+1})))) \\
&:= ((222/2-2-2)^2) - (22+2) \\
&:= 3/3 + ((3/3+33) \times (333+3)) \\
&:= 4/4 + ((44 \times (4^4+4)) - 4 \times 4) \\
&:= 5 + ((5-5/5) \times ((5^5 - (5 \times 55)) + 5)) \\
&:= 6/6 + (((66/6)+6) \times (666+6)) \\
&:= 7 + (((7+7) \times 777) + (7 \times 77)) + 7/7) \\
&:= 8/8 + ((88+8) \times ((888/8) + 8)) \\
&:= 9/9 + (((999/9) - 9) \times ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11426 &:= 1 + (1 + ((1+111) \times (1+(1+((11-1)^{1+1})))))) \\
&:= 2 + ((22+2) \times (22^2 - (2 \times (2+2)))) \\
&:= 3 + (((3/3+33) \times (333+3)) - 3/3) \\
&:= ((4+4)/4) + ((44 \times (4^4+4)) - 4 \times 4) \\
&:= (5^5/5) + ((55 \times 55) + ((5/5+5)^5)) \\
&:= ((6+6)/6) + (((66/6)+6) \times (666+6)) \\
&:= ((777/7) \times (((777-7)/7) - 7)) - 7 \\
&:= ((8+8)/8) + ((88+8) \times ((888/8) + 8)) \\
&:= ((9+9) \times (9+9)) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11427 &:= (11 \times (1 + ((1+1)^{11}))) - (1+11111) \\
&:= ((222/2-2-2)^2) - 22 \\
&:= 3 + ((3/3+33) \times (333+3)) \\
&:= 4 + ((44 \times (4^4+4)) - ((4 \times 4) + 4/4)) \\
&:= (55 \times 55) + (((5^5+5)/5) + ((5/5+5)^5)) \\
&:= (((666/6) \times ((6 \times 6+66) + 6/6)) - 6 \\
&:= (7 \times 77) + (((7+7) \times 777) + ((77-7)/7)) \\
&:= 88 + ((8 \times ((88 \times (8+8)) + 8)) + (88/8)) \\
&:= ((99+9+9)/9) \times ((9 \times 99) - ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11428 &:= (11 \times (1 + ((1+1)^{11}))) - 11111 \\
&:= 2 + (((22+2) \times (22^2 - (2 \times (2+2)))) + 2) \\
&:= 3 + (((3/3+33) \times (333+3)) + 3/3) \\
&:= 4 + ((44 \times (4^4+4)) - 4 \times 4) \\
&:= 5 + (((5+5)/5) \times (((5-5/5)^5) + 5^5)) + 5^5) \\
&:= 6 + ((66 \times (666/6)) + (((6+6)/6)^{6+6})) \\
&:= (7 \times 77) + (((7+7) \times 777) + (77/7)) \\
&:= 88 + ((8 \times ((88 \times (8+8)) + 8)) + ((88+8)/8)) \\
&:= 9 + (((9 \times 9) - (99/9)) \times ((9 \times (9+9)) + 9/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11429 &:= 1 + ((11 \times (1 + ((1+1)^{11}))) - 11111) \\
&:= 2 + (((222/2-2-2)^2) - 22) \\
&:= (33/3) + (33 \times (((3/3+3+3)^3) + 3)) \\
&:= (44 \times (4^4+4)) - (44/4) \\
&:= (55/5) \times (((5-5/5)^5) + 5) + 5) \\
&:= 6 + (((66/6)+6) \times (666+6)) - 6/6) \\
&:= ((777-7)/7) + (7 \times (77 \times (7+7+7))) \\
&:= (88/8) \times (((8 \times (8 \times (8+8))) - 8/8) + 8) + 8) \\
&:= 9 + (((99 \times (99+9)) - 9/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11430 &:= (11-1) \times (1111 + ((11 \times (1+1+1)) - 1)) \\
&:= ((2 \times 22) + 2/2) \times ((2^{2 \times (2+2)}) - 2) \\
&:= (3 \times 3 + 3 + 3) \times ((3^{3+3}) + 33) \\
&:= ((4-44)/4) + (44 \times (4^4+4)) \\
&:= 55 + ((5 \times (55 \times (5 \times 5 + 5))) + 5^5) \\
&:= 6 + (((66/6)+6) \times (666+6)) \\
&:= (777/7) + (7 \times (77 \times (7+7+7))) \\
&:= (((8+8)/8) + 88) \times ((8 \times (8+8)) - 8/8) \\
&:= 9 + ((99 \times (99+9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11431 &:= ((1 + 111)^{1+1}) - (1 + 1 + 1111) \\
&:= 2 + (((222/2 - 2 - 2)^2) - 22) + 2) \\
&:= 3/3 + ((3 \times 3 + 3 + 3) \times ((3^{3+3}) + 33)) \\
&:= (44 \times (4^4 + 4)) - ((4/4 + 4) + 4) \\
&:= 5^5 + (((5/5 + 5)^5) - (5 \times 5)) + 555) \\
&:= 6 + (((66/6) + 6) \times (666 + 6)) + 6/6) \\
&:= 7 + (((7 + 7) \times 777) + (7 \times 77)) + 7) \\
&:= 8 + (((88 + 8) \times ((888/8) + 8)) - 8/8) \\
&:= ((9 \times 9) - (9/9 + 9)) \times ((9 \times (9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11432 &:= ((1 + 111)^{1+1}) - (1 + 1111) \\
&:= 2 + (((2 \times 22) + 2/2) \times ((2^{2 \times (2+2)}) - 2)) \\
&:= ((3^3 - (3/3 + 3))^3) - (((3^{3+3}) + 3) + 3) \\
&:= (44 \times (4^4 + 4)) - (4 + 4) \\
&:= (((5 + 5)/5)^5) + ((5 - 5/5) \times (5^5 - (5 \times 55))) \\
&:= 6 + (((66/6) + 6) \times (666 + 6)) + ((6 + 6)/6) \\
&:= 7 + (((7 + 7) \times 777) + (7 \times 77)) + 7/7) + 7) \\
&:= 8 + ((88 + 8) \times ((888/8) + 8)) \\
&:= (9 \times (9 \times 9)) + ((99 \times (99 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11433 &:= ((1 + 111)^{1+1}) - 1111 \\
&:= ((222/2)^2) - (2 \times 2 \times 222) \\
&:= 3 + ((3 \times 3 + 3 + 3) \times ((3^{3+3}) + 33)) \\
&:= 4 + ((44 \times (4^4 + 4)) - 44/4) \\
&:= 5^5 + (((5 + 5)/5) \times (((5 - 5/5)^5) + 5^5) + 5) \\
&:= (666/6) \times ((6 \times 6 + 66) + 6/6) \\
&:= (777/7) \times (((777 - 7)/7) - 7) \\
&:= (888/8) \times ((888/8) - 8) \\
&:= (999/9) \times (((999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11434 &:= 1 + (((1 + 111)^{1+1}) - 1111) \\
&:= (2 \times ((22 \times ((2^{2 \times (2+2)}) + 2) + 2)) - 2) - 2 \\
&:= 3 + (((3 \times 3 + 3 + 3) \times ((3^{3+3}) + 33)) + 3/3) \\
&:= (44 \times (4^4 + 4)) - (((4 + 4)/4) + 4) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5) + 5) + 5) + 5) \\
&:= (((666 - 6)/6)^{(6+6)/6}) - 666 \\
&:= 7/7 + ((777/7) \times (((777 - 7)/7) - 7)) \\
&:= 8/8 + ((888/8) \times ((888/8) - 8)) \\
&:= 9/9 + ((999/9) \times (((999 + 9)/9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11435 &:= 1 + (1 + (((1 + 111)^{1+1}) - 1111)) \\
&:= 2 + (((222/2)^2) - (2 \times 2 \times 222)) \\
&:= ((3^3 - (3/3 + 3))^3) - ((3^{3+3}) + 3) \\
&:= (44 \times (4^4 + 4)) - (4/4 + 4) \\
&:= (55 \times ((5^5 - 5)/(5 + 5 + 5))) - 5 \\
&:= (66/6) + (((66/6) + 6) \times (666 + 6)) \\
&:= 7 + (((7 + 7) \times 777) + (7 \times 77)) + (77/7)) \\
&:= 88/8 + ((88 + 8) \times ((888/8) + 8)) \\
&:= ((9 + 9) \times (9 + 9)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11436 &:= 1 + (1 + (1 + (((1 + 111)^{1+1}) - 1111))) \\
&:= 2 \times ((22 \times ((2^{2 \times (2+2)}) + 2) + 2)) - 2 \\
&:= 3 + (((3 \times 3 + 3 + 3) \times ((3^{3+3}) + 33)) + 3) \\
&:= (44 \times (4^4 + 4)) - 4 \\
&:= 5/5 + ((55 \times ((5^5 - 5)/(5 + 5 + 5))) - 5) \\
&:= 6 + (((66/6) + 6) \times (666 + 6)) + 6) \\
&:= ((7 + 7) \times (777 + (7 \times 7))) - (((7 + 7)/7)^7) \\
&:= ((88 + 8)/8) \times ((888 + (8 \times 8)) + 8/8) \\
&:= 9/9 + ((99999/9) + ((9 + 9) \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11437 &:= ((111 - (1 + 1 + 1 + 1))^{1+1}) - 11 - 1 \\
&:= ((222/2 - 2)^2) - (2 \times 222) \\
&:= ((3^3 - (3/3 + 3))^3) - ((3^{3+3}) + 3/3) \\
&:= 4/4 + ((44 \times (4^4 + 4)) - 4) \\
&:= ((5 + 5)/5) + ((55 \times ((5^5 - 5)/(5 + 5 + 5))) - 5) \\
&:= (6 \times (6 \times ((6 \times (6 \times 6 + 6)) + 66))) - (66/6) \\
&:= 7 + ((7 \times (77 \times (7 + 7 + 7))) + (777/7)) \\
&:= 8 + ((88/8) \times (((8 \times (8 \times (8 + 8))) - 8/8) + 8) + 8)) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11438 &:= ((111 - (1 + 1 + 1 + 1))^{1+1}) - 11 \\
&:= 2222 + ((2 \times (2 \times (22 + 2)))^2) \\
&:= ((3^3 - (3/3 + 3))^3) - (3^{3+3}) \\
&:= (44 \times (4^4 + 4)) - ((4 + 4)/4) \\
&:= (55 \times ((5^5 - 5)/(5 + 5 + 5))) - ((5 + 5)/5) \\
&:= ((6 - 66)/6) + (6 \times (6 \times ((6 \times (6 \times 6 + 6)) + 66))) \\
&:= 77 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) - 7) \\
&:= 8 + (((8 + 8)/8) + 88) \times ((8 \times (8 + 8)) - 8/8)) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) - 99)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11439 &:= 1 + (((111 - (1 + 1 + 1 + 1))^{1+1}) - 11) \\
&:= 2 + (((222/2 - 2)^2) - (2 \times 222)) \\
&:= 3 \times (3 \times (((33/3)^3) - (3^3 + 33))) \\
&:= (44 \times (4^4 + 4)) - 4/4 \\
&:= (55 \times ((5^5 - 5)/(5 + 5 + 5))) - 5/5 \\
&:= 6 + ((666/6) \times ((6 \times 6 + 66) + 6/6)) \\
&:= (((777/7) + 7) \times ((7 \times (7 + 7)) - 7/7)) - 7 \\
&:= (888/8) + (8 \times ((88 \times (8 + 8)) + 8)) \\
&:= 99 + ((9 + 9) \times ((9 \times (9 \times 9)) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11440 &:= (11 - 1) \times (1111 + (11 \times (1 + 1 + 1))) \\
&:= 2 \times (22 \times ((2^{2 \times (2+2)}) + 2) + 2) \\
&:= ((3 \times 3) - 3/3) \times (((33/3)^3) + (3 \times 33)) \\
&:= 44 \times (4^4 + 4) \\
&:= 55 \times ((5^5 - 5)/(5 + 5 + 5)) \\
&:= (6/6 - 66) \times (((6 - 666)/6) - 66) \\
&:= ((777 - 7)/7) \times ((777/7) - 7) \\
&:= 88 \times (8 \times (8 + 8)) + ((8 + 8)/8) \\
&:= (((99 - 9/9) + 9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11441 &:= 11111 + ((1+1+1) \times (111-1)) \\
&:= ((222/2 - 2 - 2)^2) - (2 \times (2+2)) \\
&:= 3 + (((3^3 - (3/3+3))^3) - (3^{3+3})) \\
&:= 4/4 + (44 \times (4^4 + 4)) \\
&:= 5/5 + (55 \times ((5^5 - 5)/(5+5+5))) \\
&:= ((66/6) + 6) \times ((666+6/6) + 6) \\
&:= 7/7 + (((777-7)/7) \times ((777/7) - 7)) \\
&:= 8 + ((888/8) \times ((888/8) - 8)) \\
&:= 9/9 + (((99-9/9) + 9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11442 &:= 1 + (11111 + ((1+1+1) \times (111-1))) \\
&:= 2 + (2 \times (22 \times (((2^{2 \times (2+2)}) + 2) + 2))) \\
&:= 3^{3 \times 3} - (3 \times (((33/3+3)^3) + 3)) \\
&:= ((4+4)/4) + (44 \times (4^4 + 4)) \\
&:= ((5+5)/5) + (55 \times ((5^5 - 5)/(5+5+5))) \\
&:= (6 \times (6 \times ((6 \times (6 \times 6 + 6)) + 66))) - 6 \\
&:= (((((7+7)/7) + (7 \times (7+7))) + 7)^{(7+7)/7}) - 7 \\
&:= ((8+8)/8) + (88 \times (8 \times (8+8) + ((8+8)/8))) \\
&:= 9 + (999/9) \times (((999+9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11443 &:= 11111 + (((1+1+1) \times 111) - 1) \\
&:= ((222/2 - 2 - 2)^2) - (2 + 2 + 2) \\
&:= 333 + ((33333/3) - 3/3) \\
&:= 4 + ((44 \times (4^4 + 4)) - 4/4) \\
&:= 5 + ((55 \times ((5^5 - 5)/(5+5+5))) - ((5+5)/5)) \\
&:= (((6 \times (6+6+6)) - 6/6)^{(6+6)/6}) - 6 \\
&:= 7 + (((7+7) \times (777 + (7 \times 7))) - (((7+7)/7)^7)) \\
&:= 8 + (((88+8) \times ((888/8) + 8)) + (88/8)) \\
&:= 9 + (((999/9) \times (((999+9)/9) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11444 &:= 11111 + ((1+1+1) \times 111) \\
&:= 2 \times ((22 \times (((2^{2 \times (2+2)}) + 2) + 2)) + 2) \\
&:= 333 + (33333/3) \\
&:= 4 + (44 \times (4^4 + 4)) \\
&:= (((555+5)/5) - 5)^{(5+5)/5} - 5 \\
&:= 6/6 + (((6 \times (6+6+6)) - 6/6)^{(6+6)/6}) - 6 \\
&:= 77 + ((7 \times ((77 \times (7+7+7)) + 7)) - 7/7) \\
&:= 8 + (((8+8) \times ((8 \times 88) + 8)) + (88/((8+8)/8))) \\
&:= 9 + (99999/9) + ((9+9) \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11445 &:= 1 + (11111 + ((1+1+1) \times 111)) \\
&:= ((222/2 - 2 - 2)^2) - (2+2) \\
&:= 3^3 + (33 \times (((3/3+3+3)^3) + 3)) \\
&:= 4 + ((44 \times (4^4 + 4)) + 4/4) \\
&:= 5 + (55 \times ((5^5 - 5)/(5+5+5))) \\
&:= ((6 \times 6) - 6/6) \times ((666/6) + 6 \times 6 \times 6) \\
&:= 77 + (7 \times ((77 \times (7+7+7)) + 7)) \\
&:= 8 \times 8 + (((8+8) \times ((8 \times 88) + 8)) - 88/8) \\
&:= (9 \times (9 \times (9+9))) + (9999 - ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11446 &:= ((111 - (1+1+1+1))^{1+1}) - (1+1+1) \\
&:= ((222/2 - 2 - 2)^2) - (2/2 + 2) \\
&:= (((3 \times (33+3)) - 3/3)^{3-3/3}) - 3 \\
&:= 4 + ((44 \times (4^4 + 4)) + ((4+4)/4)) \\
&:= 5 + ((55 \times ((5^5 - 5)/(5+5+5))) + 5/5) \\
&:= (6 \times (6 \times ((6 \times (6 \times 6 + 6)) + 66))) - ((6+6)/6) \\
&:= ((777/7) + 7) \times ((7 \times (7+7)) - 7/7) \\
&:= ((8/8 + 88) + 8) \times (((888-8)/8) + 8) \\
&:= (9 \times (9 \times (9+9))) + (9999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11447 &:= ((111 - (1+1+1+1))^{1+1}) - (1+1) \\
&:= ((222/2 - 2 - 2)^2) - 2 \\
&:= 3 + ((33333/3) + 333) \\
&:= 4 + (((44 \times (4^4 + 4)) - 4/4) + 4) \\
&:= 5 + ((55 \times ((5^5 - 5)/(5+5+5))) + ((5+5)/5)) \\
&:= (6 \times (6 \times ((6 \times (6 \times 6 + 6)) + 66))) - 6/6 \\
&:= (7 \times 7 \times 7) + (((77777/7) - 7)) \\
&:= 8 + ((8 \times ((88 \times (8+8)) + 8)) + (888/8)) \\
&:= (9 \times (9 \times (9+9))) + (9999 - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11448 &:= ((111 - (1+1+1+1))^{1+1}) - 1 \\
&:= ((222/2 - 2 - 2)^2) - 2/2 \\
&:= 3 \times ((3+3) \times ((3 \times (((3+3)^3) - 3)) - 3)) \\
&:= 4 + ((44 \times (4^4 + 4)) + 4) \\
&:= 5^5 + (((5+5+5) \times 555) - ((5+5)/5)) \\
&:= 6 \times (6 \times ((6 \times (6 \times 6 + 6)) + 66)) \\
&:= (77/7 + 7) \times ((7 \times ((77+7) + 7)) - 7/7) \\
&:= 8 + (88 \times (8 \times (8+8) + ((8+8)/8))) \\
&:= (99+9) \times ((99 - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11449 &:= (111 - (1+1+1+1))^{1+1} \\
&:= (222/2 - 2 - 2)^2 \\
&:= ((3 \times (33+3)) - 3/3)^{3-3/3} \\
&:= ((444/4) - 4)^{(4+4)/4} \\
&:= (((555+5)/5) - 5)^{(5+5)/5} \\
&:= ((6 \times (6+6+6)) - 6/6)^{(6+6)/6} \\
&:= (((((7+7)/7) + (7 \times (7+7))) + 7)^{(7+7)/7}) \\
&:= (((88/8) + 88) + 8)^{(8+8)/8} \\
&:= ((99-9/9) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11450 &:= 1 + ((111 - (1+1+1+1))^{1+1}) \\
&:= 2/2 + ((222/2 - 2 - 2)^2) \\
&:= 3 + (((33333/3) + 333) + 3) \\
&:= ((44-4)/4) + (44 \times (4^4 + 4)) \\
&:= 5^5 + ((5+5+5) \times 555) \\
&:= 6/6 + (((6 \times (6+6+6)) - 6/6)^{(6+6)/6}) \\
&:= 7/7 + (((((7+7)/7) + (7 \times (7+7))) + 7)^{(7+7)/7}) \\
&:= 8/8 + (((88/8) + 88) + 8)^{(8+8)/8} \\
&:= 9/9 + (((99-9/9) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11451 &:= 1 + (1 + ((111 - (1 + 1 + 1 + 1))^{1+1})) \\
&:= 2 + ((222/2 - 2 - 2)^2) \\
&:= 33 \times ((333 + (33/3)) + 3) \\
&:= (44/4) + (44 \times (4^4 + 4)) \\
&:= 5^5 + (((5 + 5 + 5) \times 555) + 5/5) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((666/6) + 6 \times 6 \times 6)) \\
&:= 77/7 \times (((7777/7) - 77) + 7) \\
&:= 88/8 + (88 \times (8 \times (8 + 8) + ((8 + 8)/8))) \\
&:= ((9 + 9)/9) + (((99 - 9/9) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11452 &:= 1 + (1 + (1 + ((111 - (1 + 1 + 1 + 1))^{1+1}))) \\
&:= 2 + (((222/2 - 2 - 2)^2) + 2/2) \\
&:= 3 + (((3 \times (33 + 3)) - 3/3)^{3-3/3}) \\
&:= 4 + (((44 \times (4^4 + 4)) + 4) + 4) \\
&:= 5^5 + (((5 + 5 + 5) \times 555) + ((5 + 5)/5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times (6 \times 6 + 6)) + 66))) - ((6 + 6)/6)) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) + 7)) - (7 + 7) \\
&:= 8 \times 8 + (((8 + 8) \times ((8 \times 88) + 8)) - (8 \times 8/(8 + 8))) \\
&:= (9 \times (9 - (9 \times 9))) + (((99/9) + 99)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11453 &:= 1 + (1 + (1 + (1 + ((111 - (1 + 1 + 1 + 1))^{1+1})))) \\
&:= 2 + (((222/2 - 2 - 2)^2) + 2) \\
&:= 3 \times 3 + ((33333/3) + 333) \\
&:= 4 + (((444/4) - 4)^{(4+4)/4}) \\
&:= 5 + (((5 + 5 + 5) \times 555 - ((5 + 5)/5)) + 5^5) \\
&:= 6 + ((6 \times (6 \times ((6 \times (6 \times 6 + 6)) + 66))) - 6/6) \\
&:= 7 + (((777/7) + 7) \times ((7 \times (7 + 7)) - 7/7)) \\
&:= ((88 + 8 + 8)/8) \times ((888 - 8) + 8/8) \\
&:= ((99 + 9 + 9)/9) \times ((9 \times 99) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11454 &:= 1 + (1 + (1 + (1 + (1 + ((111 - (1 + 1 + 1 + 1))^{1+1})))))) \\
&:= 2 + (((222/2 - 2 - 2)^2) + 2/2) + 2) \\
&:= 3 + (33 \times ((333 + (33/3)) + 3)) \\
&:= 4 + ((44 \times (4^4 + 4)) + ((44 - 4)/4)) \\
&:= 5 + (((555 + 5)/5) - 5)^{(5+5)/5} \\
&:= 6 + (6 \times (6 \times ((6 \times (6 \times 6 + 6)) + 66))) \\
&:= (7 \times 7 \times 7) + (77777/7) \\
&:= 8 \times 8 + (((8 + 8) \times ((8 \times 88) + 8)) - ((8 + 8)/8)) \\
&:= (9 \times (9 \times (9 + 9))) + (9999 - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11455 &:= 11 + (11111 + ((1 + 1 + 1) \times 111)) \\
&:= 2 + (((222/2 - 2 - 2)^2) + 2) + 2) \\
&:= 3 + (((3 \times (33 + 3)) - 3/3)^{3-3/3}) + 3) \\
&:= 4 + ((44 \times (4^4 + 4)) + 44/4) \\
&:= 5 + (((5 + 5 + 5) \times 555) + 5^5) \\
&:= 6 + (((6 \times (6 + 6 + 6)) - 6/6)^{(6+6)/6}) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) + 7)) - (77/7) \\
&:= 8 \times 8 + (((8 + 8) \times ((8 \times 88) + 8)) - 8/8) \\
&:= (9 \times (9 \times (9 + 9))) + (9999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11456 &:= 1 + (11 + (11111 + ((1 + 1 + 1) \times 111))) \\
&:= 2 \times ((222 \times (22 + 2)) + ((22 - 2)^2)) \\
&:= ((33/3)^3) + (3 \times ((3 \times 3 + 3 + 3)^3)) \\
&:= 4 \times 4 + (44 \times (4^4 + 4)) \\
&:= 5^5 + (((5/5 + 5)^5) + 555) \\
&:= (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) - 6/6) \\
&:= 7 + (((7 + 7)/7) + (7 \times (7 + 7))) + 7^{(7+7)/7} \\
&:= 8 \times (((88 \times (8 + 8)) + 8) + 8) + 8 \\
&:= (9 \times (9 \times (9 + 9))) + (9999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11457 &:= (111^{1+1}) - (((1 + 11)^{1+1+1})/(1 + 1)) \\
&:= (2 \times (2 + 2)) + ((222/2 - 2 - 2)^2) \\
&:= 3 \times (((3 + 3) \times ((3 \times ((3 + 3)^3) - 3)) - 3)) + 3) \\
&:= 4 \times 4 + ((44 \times (4^4 + 4)) + 4/4) \\
&:= 5^5 + (((5/5 + 5)^5) + 555) + 5/5) \\
&:= (66 + 6/6) \times ((666/6 - 6) + 66) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) + 7)) - ((7 + 7)/7 + 7) \\
&:= 8 + (((88/8) + 88) + 8)^{(8+8)/8} \\
&:= (9 \times (9 \times (9 + 9))) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11458 &:= 11 + (((111 - (1 + 1 + 1 + 1))^{1+1}) - (1 + 1)) \\
&:= ((2 - 22) \times (2 - ((22 + 2)^2))) - 22 \\
&:= (3/3 + 33) \times ((333 + 3/3) + 3) \\
&:= 4 \times 4 + ((44 \times (4^4 + 4)) + ((4 + 4)/4)) \\
&:= 5^5 + (((5/5 + 5)^5) + ((5 + 5)/5)) + 555) \\
&:= ((66/6) + 6) \times ((666 + ((6 + 6)/6)) + 6) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) + 7)) - (7/7 + 7) \\
&:= 8 \times 8 + (((8 + 8) \times ((8 \times 88) + 8)) + ((8 + 8)/8)) \\
&:= 9 + (((99 - 9/9) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11459 &:= 11 + (((111 - (1 + 1 + 1 + 1))^{1+1}) - 1) \\
&:= 2 + (((222/2 - 2 - 2)^2) + (2 \times (2 + 2))) \\
&:= 3 + ((3 \times ((3 \times 3 + 3 + 3)^3)) + ((33/3)^3)) \\
&:= 4 + (((44 \times (4^4 + 4)) + 44/4) + 4) \\
&:= 5 + (((555 + 5)/5) - 5)^{(5+5)/5} + 5) \\
&:= (66/6) + (6 \times (6 \times ((6 \times (6 \times 6 + 6)) + 66))) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) + 7)) - 7 \\
&:= 8 + ((88 \times (8 \times (8 + 8) + ((8 + 8)/8))) + (88/8)) \\
&:= 9 + (((99 - 9/9) + 9)^{(9+9)/9}) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11460 &:= 11 + ((111 - (1 + 1 + 1 + 1))^{1+1}) \\
&:= (22/2) + ((222/2 - 2 - 2)^2) \\
&:= (3 + 3) \times (((3 \times (3 + 3))^3) - 3)/3 - 33) \\
&:= 4 + ((44 \times (4^4 + 4)) + 4 \times 4) \\
&:= 5 + (((5 + 5 + 5) \times 555) + 5^5) + 5) \\
&:= 6 + ((6 \times (6 \times ((6 \times (6 \times 6 + 6)) + 66))) + 6) \\
&:= 7/7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) - 7) \\
&:= 8 \times 8 + (((8 + 8) \times ((8 \times 88) + 8)) + (8 \times 8/(8 + 8))) \\
&:= (99/9) + (((99 - 9/9) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11461 &:= 1 + (11 + ((111 - (1 + 1 + 1 + 1))^{1+1})) \\
&:= (2 \times (2 + 2 + 2)) + ((222/2 - 2 - 2)^2) \\
&:= 3 + ((3/3 + 33) \times ((333 + 3/3) + 3)) \\
&:= 4 + (((44 \times (4^4 + 4)) + 4 \times 4) + 4/4) \\
&:= 5 + (((5/5 + 5)^5) + 555) + 5^5 \\
&:= 6 + (((6 \times (6 + 6 + 6)) - 6/6)^{(6+6)/6}) + 6 \\
&:= 7 + ((77777/7) + (7 \times 7 \times 7)) \\
&:= 8 + (((88 + 8 + 8)/8) \times ((888 - 8) + 8/8)) \\
&:= (9 \times (9 \times (9 \times 9))) + (((9 \times 9) - (99/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11462 &:= 1 + (1 + (11 + ((111 - (1 + 1 + 1 + 1))^{1+1}))) \\
&:= 22 \times (((22/2)^2) + ((22 - 2)^2)) \\
&:= 3 + (((3 \times (3 \times 3 + 3 + 3)^3) + ((33/3)^3) + 3) \\
&:= (44/4) \times ((4 \times (4^4 + 4)) + ((4 + 4)/4)) \\
&:= (55/5) \times (((5 \times 5^5) + 5)/(5 + 5 + 5)) \\
&:= 6 + (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) - 6/6) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) - (77/7)) \\
&:= ((88 + 88)/8) \times (((8 \times 8 \times 8) + 8/8) + 8) \\
&:= (((9 + 9)/9)^9) + 9 \times ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11463 &:= 11111 + (11 \times ((11 \times (1 + 1 + 1)) - 1)) \\
&:= (2^{2+2}) + (((222/2 - 2 - 2)^2) - 2) \\
&:= ((3 + 3) \times (3 \times (3 \times ((3 + 3)^3))) - 33) - 3 \\
&:= ((4 + 4) \times 44) + (44444/4) \\
&:= 5/5 + (55/5 \times (((5 \times 5^5) + 5)/(5 + 5 + 5))) \\
&:= ((6 - 6/6)^6) - (((6 + 6)/6)^{6+6}) + 66 \\
&:= ((7 + 7 + 7)/7) \times ((7 \times ((7 \times 77) + 7)) - 7/7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) - 8/8) + (8 \times 8) \\
&:= (99 \times (99 + 9 + 9)) - ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11464 &:= 1 + (11111 + (11 \times ((11 \times (1 + 1 + 1)) - 1))) \\
&:= ((22 + 2 + 2) \times ((22 - 2/2)^2)) - 2 \\
&:= 3 + (((3/3 + 33) \times ((333 + 3/3) + 3)) + 3) \\
&:= 4 + (((44 \times (4^4 + 4)) + 4 \times 4) + 4) \\
&:= 5 + (((((555 + 5)/5) - 5)^{(5+5)/5}) + 5) + 5 \\
&:= 6 + (((66/6) + 6) \times ((666 + ((6 + 6)/6) + 6)) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) + 7)) - ((7 + 7)/7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + (8 \times 8)) \\
&:= ((99 - 9/9) \times (99 + 9 + 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11465 &:= ((1 + 1) \times ((1 + 1 + 11) \times ((11 + (11 - 1))^{1+1}))) - 1 \\
&:= (2^{2+2}) + ((222/2 - 2 - 2)^2) \\
&:= 3^3 + (((3^3 - (3/3 + 3))^3) - (3^{3+3})) \\
&:= 4 \times 4 + (((444/4) - 4)^{(4+4)/4}) \\
&:= 5 \times 5 + (55 \times ((5^5 - 5)/(5 + 5 + 5))) \\
&:= (6 \times (66 - 6)) + (66666/6 - 6) \\
&:= ((7 + 7 + 7) \times ((7 \times 77) + 7)) - 7/7 \\
&:= 8 + (((((88/8) + 88) + 8)^{(8+8)/8}) + 8) \\
&:= ((99 - 9/9) \times (99 + 9 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11466 &:= (1 + 1) \times ((1 + 1 + 11) \times ((11 + (11 - 1))^{1+1})) \\
&:= (22 + 2 + 2) \times ((22 - 2/2)^2) \\
&:= (3 + 3) \times ((3 \times (3 \times ((3 + 3)^3))) - 33) \\
&:= 4 + (((44 \times (4^4 + 4)) + (44/((4 + 4)/4))) \\
&:= 5 + (((((5/5 + 5)^5) + 555) + 5^5) + 5) \\
&:= 666 + (6 \times ((6 - 6 \times 6) \times (6 - 66))) \\
&:= (7 + 7 + 7) \times ((7 \times 77) + 7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + ((8 + 8)/8)) + (8 \times 8) \\
&:= (99 - 9/9) \times (99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11467 &:= 1 + ((1 + 1) \times ((1 + 1 + 11) \times ((11 + (11 - 1))^{1+1}))) \\
&:= 2 + (((222/2 - 2 - 2)^2) + (2^{2+2})) \\
&:= 3/3 + ((3 + 3) \times (3 \times (3 \times ((3 + 3)^3))) - 33) \\
&:= 4 \times 4 + ((44 \times (4^4 + 4)) + 44/4) \\
&:= 5 + (55/5 \times (((5 \times 5^5) + 5)/(5 + 5 + 5))) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - ((66/6) + 6) \\
&:= 7/7 + ((7 + 7 + 7) \times ((7 \times 77) + 7)) \\
&:= 8 \times 8 + (((8 + 8) \times ((8 \times 88) + 8)) + (88/8)) \\
&:= 9 + (((99 - 9/9) + 9)^{(9+9)/9}) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11468 &:= (1 + 1) \times (1 + ((1 + 1 + 11) \times ((11 + (11 - 1))^{1+1}))) \\
&:= 2 + ((22 + 2 + 2) \times ((22 - 2/2)^2)) \\
&:= (((3^{3+3}) + 3)/3) \times (((33/3) + 33) + 3) \\
&:= 44 + ((44 \times (4^4 + 4)) - 4 \times 4) \\
&:= (5 - 5/5) \times ((55 - ((5^5 + 5)/(5 + 5))) + 5^5) \\
&:= 6 + (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) - 6/6) + 6 \\
&:= ((7 + 7)/7) + ((7 + 7 + 7) \times ((7 \times 77) + 7)) \\
&:= 8 \times 8 + (((8 + 8) \times ((8 \times 88) + 8)) + ((88 + 8)/8)) \\
&:= ((9 + 9)/9) + ((99 - 9/9) \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11469 &:= ((1 + 1) \times (11 - 1)) + ((111 - (1 + 1 + 1 + 1))^{1+1}) \\
&:= 22 + (((222/2 - 2 - 2)^2) - 2) \\
&:= 3 + ((3 + 3) \times (3 \times (3 \times ((3 + 3)^3))) - 33) \\
&:= 4 + (((444/4) - 4)^{(4+4)/4}) + 4 \times 4 \\
&:= 5 \times 5 + (((((555 + 5)/5) - 5)^{(5+5)/5}) - 5) \\
&:= 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6}) + 66) \\
&:= ((7 + 7 + 7)/7) + ((7 + 7 + 7) \times ((7 \times 77) + 7)) \\
&:= 88 + (((8 + 8) \times ((8 \times 88) + 8)) - 88/8) \\
&:= 9 + (((99 - 9/9) + 9)^{(9+9)/9}) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11470 &:= (11 - 1) \times (1111 + ((1 + 1 + 1) \times (1 + 11))) \\
&:= ((22 + 2) \times (22^2 - (2 + 2 + 2))) - 2 \\
&:= 3 + (((3 + 3) \times (3 \times (3 \times ((3 + 3)^3))) - 33) + 3/3) \\
&:= (4 \times (4 + 4)) + ((44 \times (4^4 + 4)) - ((4 + 4)/4)) \\
&:= (5 \times (5^5 - ((55 \times (5 + 5 + 5)) + 5))) - 5 \\
&:= ((66 - 6)/6) \times ((6666/6) + (6 \times 6)) \\
&:= (77/7) + (((7 + 7 + 7) \times ((7 \times 77) + 7)) - 7) \\
&:= 8 + (((88 + 88)/8) \times (((8 \times 8 \times 8) + 8/8) + 8)) \\
&:= (9/9 + 9) \times (((9999/9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11471 &:= 11 + (11 + ((111 - (1 + 1 + 1 + 1))^{1+1})) \\
&:= 22 + ((222/2 - 2 - 2)^2) \\
&:= 3^3 + ((33333/3) + 333) \\
&:= ((44 + 4/4) \times (4^4 - 4/4)) - 4 \\
&:= (5 \times 5^5) - (((5 - 5/5)^5) + 5^5) + 5 \\
&:= (6 \times (66 - 6)) + (66666/6) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) - ((7 + 7)/7)) \\
&:= 88 + (((8 + 8) \times ((8 \times 88) + 8)) - (8/8 + 8)) \\
&:= 9 + (((((9 + 9)/9)^9) + 9) \times ((99 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11472 &:= 11111 + (((1 + 1) \times (11 - 1)) - 1)^{1+1} \\
&:= (22 + 2) \times (22^2 - (2 + 2 + 2)) \\
&:= (3 + 3) \times (((3 \times (3 + 3))^3) + 3)/3 - 33 \\
&:= (4 \times (4 + 4)) + (44 \times (4^4 + 4)) \\
&:= ((5 - 5/5) \times (5^5 - 5/5)) - ((5 - 5/5)^5) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - (6 + 6) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) - 7/7) \\
&:= 88 + (((8 + 8) \times ((8 \times 88) + 8)) - 8) \\
&:= (99 \times (99 + 9 + 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11473 &:= 11 \times (((1 + 1) \times (11 - 1)) + (((1 + 1)^{11-1}) - 1)) \\
&:= 2 + (((222/2 - 2 - 2)^2) + 22) \\
&:= (((3^3 \times 3) - 3)/3) + (((33/3 + 3) + 3)^3) \\
&:= 44 + ((44 \times (4^4 + 4)) - 44/4) \\
&:= (55/5) \times (((5 \times (5^5 + 5)) - 5)/(5 + 5 + 5)) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - (66/6) \\
&:= 7 + ((7 + 7 + 7) \times ((7 \times 77) + 7)) \\
&:= ((8/8 + 88) \times (8 \times (8 + 8) + 8/8)) - 8 \\
&:= (99/9) \times ((9 \times (99 + 9 + 9)) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11474 &:= 11111 + (11 \times (11 \times (1 + 1 + 1))) \\
&:= 2 + ((22 + 2) \times (22^2 - (2 + 2 + 2))) \\
&:= ((3^3 \times 3)/3) + (((33/3 + 3) + 3)^3) \\
&:= ((44 + 4/4) \times (4^4 - 4/4)) - 4/4 \\
&:= 5 \times 5 + (((555 + 5)/5) - 5)^{(5+5)/5} \\
&:= ((6 - 66)/6) + (66 \times ((6 \times (6 \times 6 - 6)) - 6)) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) + 7/7) \\
&:= 8/8 + (((8/8 + 88) \times (8 \times (8 + 8) + 8/8)) - 8) \\
&:= 9 + (((99 - 9/9) \times (99 + 9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11475 &:= 1 + (11111 + (11 \times (11 \times (1 + 1 + 1)))) \\
&:= 2 + (((222/2 - 2 - 2)^2) + 22) + 2 \\
&:= 3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) - 3)) - 3)) \\
&:= (44 + 4/4) \times (4^4 - 4/4) \\
&:= 5 \times (5^5 - ((55 \times (5 + 5 + 5)) + 5)) \\
&:= ((66/6) + 6) \times (((6 \times 6/(6 + 6)) + 666) + 6) \\
&:= ((7/7 + 77) + 7) \times (((7 + 7)/7)^7) + 7 \\
&:= ((88/8) + (8 \times 8)) \times (((8 \times 8) + 88) + 8/8) \\
&:= 9 + ((99 - 9/9) \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11476 &:= 1 + (1 + (11111 + (11 \times (11 \times (1 + 1 + 1))))) \\
&:= ((22 - 2) \times ((22 + 2)^2)) - (2 \times 22) \\
&:= 3^3 + (((3 \times (33 + 3)) - 3/3)^{3-3/3}) \\
&:= 4^4 + (44 \times (4^4 - 4/4)) \\
&:= (5 \times 5^5) - (((5 - 5/5)^5) + 5^5) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - ((6 + 6)/6 + 6) \\
&:= ((77 - 7)/7) + ((7 + 7 + 7) \times ((7 \times 77) + 7)) \\
&:= 88 + (((8 + 8) \times ((8 \times 88) + 8)) - (8 \times 8/(8 + 8))) \\
&:= 9 + (((((99 - 9/9) + 9)^{(9+9)/9}) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11477 &:= 11111 + ((1 + 1 + 1) \times (1 + (11^{1+1}))) \\
&:= ((2 - 22) \times (2 - ((22 + 2)^2))) - (2/2 + 2) \\
&:= 3 + (((33/3 + 3) + 3)^3) + ((3^3 \times 3)/3) \\
&:= 4/4 + ((44 \times (4^4 - 4/4)) + 4^4) \\
&:= 5/5 + ((5 \times 5^5) - (((5 - 5/5)^5) + 5^5)) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - (6/6 + 6) \\
&:= (77/7) + ((7 + 7 + 7) \times ((7 \times 77) + 7)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) - 88/8 + 88) \\
&:= (99/9) + ((99 - 9/9) \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11478 &:= 1 + (11111 + ((1 + 1 + 1) \times (1 + (11^{1+1})))) \\
&:= ((2 - 22) \times (2 - ((22 + 2)^2))) - 2 \\
&:= 3 + (3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) - 3)) - 3)) \\
&:= 4 + (((44 + 4/4) \times (4^4 - 4/4)) - 4/4) \\
&:= 5 + (55/5 \times (((5 \times (5^5 + 5)) - 5)/(5 + 5 + 5))) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - 6 \\
&:= ((77 + 7)/7) + ((7 + 7 + 7) \times ((7 \times 77) + 7)) \\
&:= 88 + (((8 + 8) \times ((8 \times 88) + 8)) - ((8 + 8)/8)) \\
&:= ((99 + 9)/9) + ((99 - 9/9) \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11479 &:= 1111 + (((1 + 11)^{1+1+1+1})/(1 + 1)) \\
&:= ((2 - 22) \times (2 - ((22 + 2)^2))) - 2/2 \\
&:= (3333/3) + ((3 + 3) \times ((3 \times 3 + 3)^3)) \\
&:= 4 + ((44 + 4/4) \times (4^4 - 4/4)) \\
&:= (5 \times (5^5 - (5 + 5))) - ((5 - 5/5)^{5/5+5}) \\
&:= 6/6 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) - 6) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) - 7/7 + 7) \\
&:= 88 + (((8 + 8) \times ((8 \times 88) + 8)) - 8/8) \\
&:= ((99 + 9 + 9)/9) \times (((9 \times 99) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11480 &:= (11 - 1) \times (1111 + (111/(1 + 1 + 1))) \\
&:= (2 - 22) \times (2 - ((22 + 2)^2)) \\
&:= (3/3 + 3 + 3) \times (((3^3 \times 3) - 3)/(3 \times 3 + 3)) \\
&:= 44 + ((44 \times (4^4 + 4)) - 4) \\
&:= 5 + (5 \times (5^5 - ((55 \times (5 + 5 + 5)) + 5))) \\
&:= ((6 + 6)/6) + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) - 6) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) + 7) \\
&:= 88 + ((8 + 8) \times ((8 \times 88) + 8)) \\
&:= ((9 \times 9) - (99/9)) \times (((9 + 9)/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11481 &:= 11111 + ((1111 - 1)/(1 + 1 + 1)) \\
&:= 2/2 + ((2 - 22) \times (2 - ((22 + 2)^2))) \\
&:= (33 \times ((333 + 3 \times 3) + 3) + 3) - 3 \\
&:= (44 - 4/4) \times ((44/4) + 4^4) \\
&:= 5 + ((5 \times 5^5) - (((5 - 5/5)^5) + 5^5)) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - (6 \times 6/(6 + 6)) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) + 7/7) + 7 \\
&:= (8/8 + 88) \times (8 \times (8 + 8) + 8/8) \\
&:= 9 + ((99 \times (99 + 9 + 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11482 &:= 1 + (11111 + ((1111 - 1)/(1 + 1 + 1))) \\
&:= 2 + ((2 - 22) \times (2 - ((22 + 2)^2))) \\
&:= 33 + (((3 \times (33 + 3)) - 3/3)^{3-3/3}) \\
&:= 44 + ((44 \times (4^4 + 4)) - ((4 + 4)/4)) \\
&:= 5 + (((5 \times 5^5) - (((5 - 5/5)^5) + 5^5)) + 5/5) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - ((6 + 6)/6) \\
&:= 7 + (((7/7 + 77) + 7) \times (((7 + 7)/7)^7) + 7) \\
&:= 8/8 + ((8/8 + 88) \times (8 \times (8 + 8) + 8/8)) \\
&:= (99 \times (99 + 9 + 9)) - (((9 + 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11483 &:= (11 \times (((1 + 1) \times (11 - 1)) + ((1 + 1)^{11-1}))) - 1 \\
&:= 2 + (((2 - 22) \times (2 - ((22 + 2)^2))) + 2/2) \\
&:= (33 \times ((333 + 3 \times 3) + 3) + 3) - 3/3 \\
&:= 44 + ((44 \times (4^4 + 4)) - 4/4) \\
&:= (55/5 \times (((5 - 5/5)^5) - 5) + 5 \times 5) - 5/5 \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) - 6)) - 6/6 \\
&:= (((7/7 + 7) + 7) \times (777 - (77/7))) - 7 \\
&:= 8 + (((88/8) + (8 \times 8)) \times (((8 \times 8) + 88) + 8/8)) \\
&:= (99 \times (99 + 9 + 9)) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11484 &:= 11 \times (((1 + 1) \times (11 - 1)) + ((1 + 1)^{11-1})) \\
&:= (2 + 2 + 2) \times (((2 \times 22)^2) - 22) \\
&:= 33 \times (((333 + 3 \times 3) + 3) + 3) \\
&:= 44 + (44 \times (4^4 + 4)) \\
&:= (55/5) \times (((5 - 5/5)^5) - 5) + 5 \times 5 \\
&:= 66 \times ((6 \times (6 \times 6 - 6)) - 6) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) + (77/7)) \\
&:= (88/8) \times (((88 + 8)/8) \times (88 - 8/8)) \\
&:= 99 \times (((99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11485 &:= 1 + (11 \times (((1 + 1) \times (11 - 1)) + ((1 + 1)^{11-1}))) \\
&:= 2/2 + ((2 + 2 + 2) \times (((2 \times 22)^2) - 22)) \\
&:= 3/3 + (33 \times (((333 + 3 \times 3) + 3) + 3)) \\
&:= 44 + ((44 \times (4^4 + 4)) + 4/4) \\
&:= ((5 + 5) \times (((5 - 5/5)^5) + 5 \times 5 \times 5)) - 5 \\
&:= 6/6 + (66 \times ((6 \times (6 \times 6 - 6)) - 6)) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) + ((77 + 7)/7)) \\
&:= 8 + (((((8 + 8) \times ((8 \times 88) + 8)) - 88/8) + 88) + 8) \\
&:= 9/9 + (99 \times (((99 - 9/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11486 &:= ((1 + 1) \times 111) + (11 \times ((1 + 1)^{11-1})) \\
&:= 2 + ((2 + 2 + 2) \times (((2 \times 22)^2) - 22)) \\
&:= 3 + ((33 \times (((333 + 3 \times 3) + 3) + 3)) - 3/3) \\
&:= 44 + ((44 \times (4^4 + 4)) + ((4 + 4)/4)) \\
&:= 5 + (((5 \times 5^5) - (((5 - 5/5)^5) + 5^5)) + 5) \\
&:= ((6 + 6)/6) + (66 \times ((6 \times (6 \times 6 - 6)) - 6)) \\
&:= ((7 + 7) \times (777 + (7 \times 7))) - (7/7 + 77) \\
&:= ((8 + 8)/8) \times ((888/8) + (8 \times (8 \times 88))) \\
&:= ((9 + 9)/9) + (99 \times (((99 - 9/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11487 &:= 1 + (((1 + 1) \times 111) + (11 \times ((1 + 1)^{11-1}))) \\
&:= 2 + (((2 + 2 + 2) \times (((2 \times 22)^2) - 22)) + 2/2) \\
&:= 3 + (33 \times (((333 + 3 \times 3) + 3) + 3)) \\
&:= 4 + (((44 \times (4^4 + 4)) - 4/4) + 44) \\
&:= 5 \times 5 + (55/5 \times (((5 \times 5^5) + 5)/(5 + 5 + 5))) \\
&:= (6 \times 6/(6 + 6)) + (66 \times ((6 \times (6 \times 6 - 6)) - 6)) \\
&:= (7 + 7 + 7) \times (((7 \times 77) + 7/7) + 7) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) - 8/8) + 88 \\
&:= ((9 + 9 + 9)/9) + (99 \times (((99 - 9/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11488 &:= ((1 + 1) \times (1 + 111)) + (11 \times ((1 + 1)^{11-1})) \\
&:= 2 + (((2 + 2 + 2) \times (((2 \times 22)^2) - 22)) + 2) \\
&:= (33 - 3/3) \times ((333 - 3/3) + 3^3) \\
&:= 4 + ((44 \times (4^4 + 4)) + 44) \\
&:= ((5 + 5)/5) \times ((5 \times ((5 - 5/5)^5)) + ((5^5 - 5)/5)) \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) - ((6 + 6)/6)) \\
&:= 7/7 + ((7 + 7 + 7) \times (((7 \times 77) + 7/7) + 7)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8)) + 88) \\
&:= ((9 - ((9 + 9)/9)) + 9) \times ((9 \times (9 \times 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11489 &:= 1 + (((1 + 1) \times (1 + 111)) + (11 \times ((1 + 1)^{11-1}))) \\
&:= (2 \times (22 - 2)) + ((222/2 - 2 - 2)^2) \\
&:= 33 + ((3 \times ((3 \times 3 + 3 + 3)^3)) + ((33/3)^3)) \\
&:= 4 + (((44 \times (4^4 + 4)) + 44) + 4/4) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5) - 5) + 5 \times 5) \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) - 6/6) \\
&:= 7 + (((7/7 + 77) + 7) \times (((7 + 7)/7)^7) + 7) + 7 \\
&:= 8 + ((8/8 + 88) \times (8 \times (8 + 8) + 8/8)) \\
&:= 9 + (((9 \times 9) - (99/9)) \times (((9 + 9)/9) + (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11490 &:= (11 - 1) \times (1 + (1111 + (111/(1 + 1 + 1)))) \\
&:= ((22 + 2 + 2) \times (2 \times 222 - 2)) - 2 \\
&:= (3 \times ((3 \times ((3 + 3) \times (((3 + 3)^3) - 3))) - 3)) - 3 \\
&:= 4 + (((44 \times (4^4 + 4)) + ((4 + 4)/4)) + 44) \\
&:= (5 + 5) \times (((5 - 5/5)^5) + 5 \times 5 \times 5) \\
&:= 6 + (66 \times ((6 \times (6 \times 6 - 6)) - 6)) \\
&:= ((7/7 + 7) + 7) \times (777 - (77/7)) \\
&:= ((8 - 8/8) + 8) \times ((8 \times (88 + 8)) - ((8 + 8)/8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9) - 9) - 9)) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11491 &:= ((1+1+1)^{11-1-1}) - ((1+1)^{11+1+1}) \\
&:= (22/2) + ((2-22) \times (2 - ((22+2)^2))) \\
&:= 3^{3 \times 3} + ((3/3-3) \times ((3/3+3)^{3+3})) \\
&:= 4 \times 4 + ((44+4/4) \times (4^4 - 4/4)) \\
&:= ((55/5)^{5-5/5}) - ((5 \times 5) + 5^5) \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) + 6/6) \\
&:= 7 + (((7+7+7) \times ((7 \times 77) + 7)) + (77/7)) + 7) \\
&:= 88 + (((8+8) \times ((8 \times 88) + 8)) + (88/8)) \\
&:= ((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11492 &:= (11 \times 1111) - ((11-1-1)^{1+1+1}) \\
&:= (22+2+2) \times (2 \times 222-2) \\
&:= (3/3+33) \times (((333-3/3)+3)+3) \\
&:= 4 + (((44 \times (4^4+4)) + 44) + 4) \\
&:= 5/5 + (((55/5)^{5-5/5}) - ((5 \times 5) + 5^5)) \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) + ((6+6)/6)) \\
&:= ((7-7/7)+7) \times ((7 \times (77+7 \times 7)) + (7+7)/7) \\
&:= 8 + ((88/8) \times (((88+8)/8) \times (88-8/8))) \\
&:= ((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - (9/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11493 &:= (111 \times (1 + (11^{1+1}))) - (1 + ((1+1)^{11})) \\
&:= (2 \times 22) + ((222/2 - 2 - 2)^2) \\
&:= 3 \times ((3 \times ((3+3) \times (((3+3)^3) - 3))) - 3) \\
&:= 44 + (((444/4) - 4)^{(4+4)/4}) \\
&:= (5 \times (5^5 - (55 \times (5+5+5)))) - (((5+5)/5) + 5) \\
&:= ((6-6/6)^6) - (((6+6)/6)^{6+6}) + (6 \times 6) \\
&:= 7 + (((7+7) \times (777 + (7 \times 7))) - (7/7 + 77)) \\
&:= (8/8+8) \times (((8+8) \times (88-8)) - 88/8 + 8) \\
&:= ((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11494 &:= (111 \times (1 + (11^{1+1}))) - ((1+1)^{11}) \\
&:= 2 + ((22+2+2) \times (2 \times 222-2)) \\
&:= 3/3 + (3 \times ((3 \times ((3+3) \times (((3+3)^3) - 3))) - 3)) \\
&:= 44 + ((44 \times (4^4+4)) + ((44-4)/4)) \\
&:= (5 \times (5^5 - (55 \times (5+5+5)))) - (5/5+5) \\
&:= ((66-6)/6) + (66 \times ((6 \times (6 \times 6 - 6)) - 6)) \\
&:= 7 + ((7+7+7) \times (((7 \times 77) + 7/7) + 7)) \\
&:= 8 + (((8+8)/8) \times ((888/8) + (8 \times (8 \times 88)))) \\
&:= 9/9 + (((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11495 &:= 11 \times (11 + (11 + (((1+1)^{11-1}) - 1))) \\
&:= (22^2 \times (22+2)) - ((22/2)^2) \\
&:= 3 + (((3 \times 3+3) \times (3^{3+3})) + ((33/3+3)^3)) \\
&:= 44 + ((44 \times (4^4+4)) + 44/4) \\
&:= 55 \times ((5^5+5+5)/(5+5+5)) \\
&:= (66/6) + (66 \times ((6 \times (6 \times 6 - 6)) - 6)) \\
&:= (((7+7)/7)^7) - 7 \times (((77/7) + 77) + 7) \\
&:= (88/8) \times ((88/8) \times ((88-8/8) + 8)) \\
&:= ((9+9)/9) + (((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11496 &:= 111 + (11 \times (11 + ((1+1)^{11-1}))) \\
&:= (2+2+2) \times (((2 \times 22)^2) - 22) + 2) \\
&:= 3 + (3 \times ((3 \times ((3+3) \times (((3+3)^3) - 3))) - 3)) \\
&:= 4 + (((44 \times (4^4+4)) + 44) + 4) + 4) \\
&:= ((5-5/5) \times (5^5+5)) - ((5-5/5)^5) \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) + 6) \\
&:= (((7+7)/7)^7) + (7 \times ((77 \times (7+7+7)) + 7)) \\
&:= 8 + (((8+8) \times ((8 \times 88) + 8)) + 88) + 8) \\
&:= (9 \times (9 \times 9)) + ((999/9) \times (99 - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11497 &:= 1 + (111 + (11 \times (11 + ((1+1)^{11-1})))) \\
&:= 2 + ((22^2 \times (22+2)) - ((22/2)^2)) \\
&:= 3 + ((3 \times ((3 \times ((3+3) \times (((3+3)^3) - 3))) - 3)) + 3/3) \\
&:= 4 + (((444/4) - 4)^{(4+4)/4}) + 44) \\
&:= 5/5 + (((5-5/5) \times (5^5+5)) - ((5-5/5)^5)) \\
&:= 6 + (((66 \times ((6 \times (6 \times 6 - 6)) - 6)) + 6/6) + 6) \\
&:= 7 + (((7/7+7) + 7) \times (777 - (77/7))) \\
&:= 8 + (((8/8+88) \times (8 \times (8+8) + 8/8)) + 8) \\
&:= 9 + (((9 - ((9+9)/9)) + 9) \times ((9 \times (9 \times 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11498 &:= 1 + (1 + (111 + (11 \times (11 + ((1+1)^{11-1})))))) \\
&:= ((22-2) \times ((22+2)^2)) - 22 \\
&:= 33 \times 333 + (((3-3/3)^{3 \times 3}) - 3) \\
&:= 4^4 + ((44/4) \times ((4 \times 4^4) - ((4+4)/4))) \\
&:= (5 \times (5^5 - (55 \times (5+5+5)))) - ((5+5)/5) \\
&:= 6 + (((66 \times ((6 \times (6 \times 6 - 6)) - 6)) + ((6+6)/6)) + 6) \\
&:= 7 \times 7 + (((7+7)/7) + (7 \times (7+7))) + 7)^{(7+7)/7} \\
&:= 8 + (((8-8/8) + 8) \times ((8 \times (88+8)) - ((8+8)/8))) \\
&:= ((9+9)/9) \times ((9 \times ((9 \times (9 \times 9) - 9)) - 9)) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11499 &:= (((11-1)^{1+1}) \times (1 + (1 + (1 + (1 + 111)))))) - 1 \\
&:= 2/2 + (((22-2) \times ((22+2)^2)) - 22) \\
&:= (3 \times (3 \times ((3+3) \times (((3+3)^3) - 3))) - 3) \\
&:= ((4^4-4)/4) + ((44 \times (4^4+4)) - 4) \\
&:= (5 \times (5^5 - (55 \times (5+5+5)))) - 5/5 \\
&:= ((66-6/6) \times (666/6+66)) - 6 \\
&:= 7777 + ((7 \times ((7 \times 77) - 7)) - ((7+7)/7)) \\
&:= 8 + (((8+8) \times ((8 \times 88) + 8)) + (88/8)) + 88) \\
&:= ((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11500 &:= ((11-1)^{1+1}) \times (1 + (1 + (1 + (1 + 111)))) \\
&:= (2-22) \times (2/2 - ((22+2)^2)) \\
&:= 3/3 + ((3 \times (3 \times ((3+3) \times (((3+3)^3) - 3))) - 3)) \\
&:= 4 \times 4 + ((44 \times (4^4+4)) + 44) \\
&:= 5 \times (5^5 - (55 \times (5+5+5))) \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) + ((66-6)/6)) \\
&:= 7777 + ((7 \times ((7 \times 77) - 7)) - 7/7) \\
&:= (((88+8)/8) + 8) \times ((8 \times ((8 \times 8) + 8)) - 8/8) \\
&:= ((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11501 &:= 1 + (((11 - 1)^{1+1}) \times (1 + (1 + (1 + (1 + 111)))))) \\
&:= 2/2 + ((2 - 22) \times (2/2 - ((22 + 2)^2))) \\
&:= 33 \times 333 + ((3 - 3/3)^{3 \times 3}) \\
&:= ((4^4 + 4)/4) + ((44 \times (4^4 + 4)) - 4) \\
&:= 5/5 + (5 \times (5^5 - (55 \times (5 + 5 + 5)))) \\
&:= (6 \times 66) + (66666/6 - 6) \\
&:= 7777 + (7 \times ((7 \times 77) - 7)) \\
&:= ((8 + 8) \times (((8 \times 88) + 8) + 8)) - ((88/8) + 8) \\
&:= ((9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11502 &:= ((11 - 1 - 1)^{1+1}) \times (((1 + 11)^{1+1}) - (1 + 1)) \\
&:= 2 + ((2 - 22) \times (2/2 - ((22 + 2)^2))) \\
&:= 3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) - 3))) \\
&:= (44 \times (4^4 + 4)) + ((4^4 - (4 + 4))/4) \\
&:= ((5 + 5)/5) + (5 \times (5^5 - (55 \times (5 + 5 + 5)))) \\
&:= 6 + (((66 \times ((6 \times (6 \times 6 - 6)) - 6)) + 6) + 6) \\
&:= 7/7 + ((7 \times ((7 \times 77) - 7)) + 7777) \\
&:= (8/8 + 8) \times (((8 + 8) \times (88 - 8)) - ((8 + 8)/8)) \\
&:= (9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11503 &:= (11 \times (11 \times (1 + 111))) - (1 + ((1 + 1)^{11})) \\
&:= (22^2 \times (22 + 2)) - ((222/2) + 2) \\
&:= 3/3 + (3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) - 3)))) \\
&:= ((4^4 - 4)/4) + (44 \times (4^4 + 4)) \\
&:= 5 + ((5 \times (5^5 - (55 \times (5 + 5 + 5)))) - ((5 + 5)/5)) \\
&:= (((66/6) + 6) \times (666 + (66/6))) - 6 \\
&:= (7 \times (7 \times 7 + 7)) + (77777/7) \\
&:= (888/8) + ((8 + 8) \times ((8 \times 88) + 8)) \\
&:= 9/9 + ((9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11504 &:= (11 \times (11 \times (1 + 111))) - ((1 + 1)^{11}) \\
&:= ((22 - 2) \times ((22 + 2)^2)) - (2^{2+2}) \\
&:= 3 + ((33 \times 333) + ((3 - 3/3)^{3 \times 3})) \\
&:= 4 \times ((4 \times (4 \times ((4 \times 44) + 4))) - 4) \\
&:= (5 \times (5^5 - 5)) - ((5 - 5/5)^{5/5+5}) \\
&:= (((66 - 6)/6) + 6) \times (((6 + 6) \times (66 - 6)) - 6/6) \\
&:= 7 + (((7/7 + 7) + 7) \times (777 - (77/7))) + 7 \\
&:= (8 + 8) \times (((8 \times 88) - 8/8) + 8) + 8 \\
&:= ((9 + 9)/9) + ((9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11505 &:= (11 \times (11 + (11 + ((1 + 1)^{11-1})))) - 1 \\
&:= (22^2 \times (22 + 2)) - (222/2) \\
&:= 3 + (3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) - 3)))) \\
&:= ((4^4 + 4)/4) + (44 \times (4^4 + 4)) \\
&:= 5 + (5 \times (5^5 - (55 \times (5 + 5 + 5)))) \\
&:= (66 - 6/6) \times (666/6 + 66) \\
&:= ((7/7 + 7) + 7) \times (((7 - 77)/7) + 777) \\
&:= ((8 - 8/8) + 8) \times ((8 \times (88 + 8)) - 8/8) \\
&:= ((9 + 9 + 9)/9) + ((9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11506 &:= 11 \times (11 + (11 + ((1 + 1)^{11-1}))) \\
&:= 22 \times ((2^{(2/2+2)^2}) + (22/2)) \\
&:= 3 + ((3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) - 3)))) + 3/3) \\
&:= 4^4 \times 44 + ((44 \times 44)/(4 + 4)) \\
&:= ((55/5)^{5-5/5}) - (5^5 + 5 + 5) \\
&:= (6 \times 66) + (66666/6 - 6/6) \\
&:= (7777/7) + (77 \times (((7 + 7)/7)^7) + 7) \\
&:= (88/8) \times (((8888 - 8)/8) - (8 \times 8)) \\
&:= (99/9) \times (((9 \times (99 + 9 + 9)) - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11507 &:= 1 + (11 \times (11 + (11 + ((1 + 1)^{11-1})))) \\
&:= 2 + ((22^2 \times (22 + 2)) - (222/2)) \\
&:= (33 \times (3 \times 3 + 3)) + (33333/3) \\
&:= 4 + ((44 \times (4^4 + 4)) + ((4^4 - 4)/4)) \\
&:= 5 + ((5 \times (5^5 - (55 \times (5 + 5 + 5)))) + ((5 + 5)/5)) \\
&:= (6 \times 66) + (66666/6) \\
&:= 7 + (((7 \times ((7 \times 77) - 7)) - 7/7) + 7777) \\
&:= ((8 + 8) \times (((8 \times 88) + 8) + 8)) - ((88 + 8 + 8)/8) \\
&:= ((9 \times 9 + 9)/(9 + 9)) + ((9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11508 &:= 1 + (1 + (11 \times (11 + (11 + ((1 + 1)^{11-1})))))) \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2) + 2))^2) - 22 \\
&:= 3 + ((3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) - 3)))) + 3) \\
&:= 4 + (((4^4 \times 44) - 4 \times 4) + 4^4) \\
&:= (5 - 5/5) \times (5^5 - (((5 - (5 + 5)/5)^5) + 5)) \\
&:= (6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) - (6 + 6) \\
&:= 7 + ((7 \times ((7 \times 77) - 7)) + 7777) \\
&:= ((88 + 8)/8) \times ((8 \times ((8 \times (8 + 8)) - 8)) - 8/8) \\
&:= 9 + (((9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11509 &:= ((1 + 111)^{1+1}) - (11 + ((1 + 1)^{11-1})) \\
&:= ((22 - 2) \times ((22 + 2)^2)) - (22/2) \\
&:= 3 + (((3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) - 3)))) + 3/3) + 3) \\
&:= 4^4 + ((4^4 \times 44) - 44/4) \\
&:= 5 + ((5 \times (5^5 - 5)) - ((5 - 5/5)^{5/5+5})) \\
&:= ((66/6) + 6) \times (666 + (66/6)) \\
&:= 7 + (((7 \times ((7 \times 77) - 7)) + 7777) + 7/7) \\
&:= ((8 + 8) \times (((8 \times 88) + 8) + 8)) - (88/8) \\
&:= 9 + (((9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11510 &:= (11 - 1) \times (((1 + 1) \times (((1 + 1) \times (1 + 11))^{1+1})) - 1) \\
&:= (2/2 + 2 + 2) \times (((2 \times (22 + 2))^2) - 2) \\
&:= ((3^3 - (3/3 + 3))^3) - (3 \times (((3 + 3)^3) + 3)) \\
&:= 4^4 + (((4 - 44)/4) + (4^4 \times 44)) \\
&:= 5 + ((5 \times (5^5 - (55 \times (5 + 5 + 5)))) + 5) \\
&:= 6/6 + (((66/6) + 6) \times (666 + (66/6))) \\
&:= 7 + ((77777/7) + (7 \times (7 \times 7 + 7))) \\
&:= ((8 - 88)/8) + ((8 + 8) \times (((8 \times 88) + 8) + 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 11511 &:= 11111 + (((1+1) \times (11-1))^{1+1}) \\ &:= ((22-2)^2) + (22222/2) \\ &:= 3 \times ((3 \times ((3+3) \times (((3+3)^3) - 3))) + 3) \\ &:= 4^4 + ((4^4 \times 44) - ((4/4+4) + 4)) \\ &:= ((55/5)^{5-5/5}) - (5^5 + 5) \\ &:= 6 + ((66-6/6) \times (666/6+66)) \\ &:= (((7+7+7)/7)^7) + (777 \times ((77+7)/7)) \\ &:= (8/8+8) \times (((8+8) \times (88-8)) - 8/8) \\ &:= 9 + ((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11512 &:= 1 + (11111 + (((1+1) \times (11-1))^{1+1})) \\ &:= ((22-2) \times ((22+2)^2)) - (2 \times (2+2)) \\ &:= 3/3 + (3 \times ((3 \times ((3+3) \times (((3+3)^3) - 3))) + 3)) \\ &:= 4^4 + ((4^4 \times 44) - (4+4)) \\ &:= 5/5 + (((55/5)^{5-5/5}) - (5^5 + 5)) \\ &:= 6 + ((66666/6 - 6/6) + (6 \times 66)) \\ &:= 7 + (((7/7+7) + 7) \times (((7-77)/7) + 777)) \\ &:= ((8+8) \times (((8 \times 88) + 8) + 8)) - 8 \\ &:= 9 + (((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11513 &:= ((1 + ((11-1)^{1+1})) \times (1 + (1 + (1 + 111)))) - 1 \\ &:= 2 + ((22222/2) + ((22-2)^2)) \\ &:= (33/3) + (3 \times (3 \times ((3+3) \times (((3+3)^3) - 3))) \\ &:= 4 + (((4^4 \times 44) - 44/4) + 4^4) \\ &:= 5 + ((5-5/5) \times (5^5 - (((5-(5+5)/5)^5) + 5))) \\ &:= 6 + (66666/6 + (6 \times 66)) \\ &:= (((((7+7)/7)^7) \times (((77-7/7) + 7) + 7)) - 7 \\ &:= 8/8 + (((8+8) \times (((8 \times 88) + 8) + 8)) - 8) \\ &:= (99/9) + ((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11514 &:= (1 + ((11-1)^{1+1})) \times (1 + (1 + (1 + 111))) \\ &:= ((22-2) \times ((22+2)^2)) - (2+2+2) \\ &:= 3 + (3 \times ((3 \times ((3+3) \times (((3+3)^3) - 3))) + 3)) \\ &:= 4^4 + ((4^4 \times 44) - (((4+4)/4) + 4)) \\ &:= (5 \times 5 \times (5+5)) + (55/5 \times ((5-5/5)^5)) \\ &:= (6 \times ((6 \times 6-6) \times (((6+6)/6)^6))) - 6 \\ &:= 7 \times 7 + (((7+7+7) \times ((7 \times 77) + 7)) - 7/7) \\ &:= ((8+8)/8) + (((8+8) \times (((8 \times 88) + 8) + 8)) - 8) \\ &:= ((99+9)/9) + ((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11515 &:= 1 + ((1 + ((11-1)^{1+1})) \times (1 + (1 + (1 + 111)))) \\ &:= (2/2+2+2) \times (((2 \times (22+2))^2) - 2/2) \\ &:= ((33-3/3) + 3) \times (333 - (3/3+3)) \\ &:= 4^4 + ((4^4 \times 44) - (4/4+4)) \\ &:= (((5+5)/5) + 5) \times ((55 \times (5 \times 5+5)) - 5) \\ &:= 6 + (((66/6) + 6) \times (666 + (66/6))) \\ &:= 7 \times (((7+7+7) \times (7/7+77)) + 7) \\ &:= 88/8 + ((8+8) \times (((8 \times 88) - 8/8) + 8) + 8) \\ &:= ((99+9+9)/9) + ((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11516 &:= (11 \times (1 + (11 + (11 + ((1+1)^{11-1})))) - 1 \\ &:= ((22-2) \times ((22+2)^2)) - (2+2) \\ &:= ((3^3 - (3/3+3))^3) - ((3 \times ((3+3)^3)) + 3) \\ &:= 4^4 + (4^4 \times 44 - 4) \\ &:= ((55/5)^{5-5/5}) - 5^5 \\ &:= ((6+6)/6) + ((6 \times ((6 \times 6-6) \times (((6+6)/6)^6))) - 6) \\ &:= 7/7 + (((7+7+7) \times ((7 \times 77) + 7)) + (7 \times 7)) \\ &:= ((8+8) \times (((8 \times 88) + 8) + 8)) - (8 \times 8/(8+8)) \\ &:= 9 \times 9 + ((99999/9) + ((9+9) \times (9+9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11517 &:= 11 \times (1 + (11 + (11 + ((1+1)^{11-1})))) \\ &:= ((22-2) \times ((22+2)^2)) - (2/2+2) \\ &:= 33 \times (((3/3+3+3)^3) + 3) + 3) \\ &:= 4/4 + ((4^4 \times 44 - 4) + 4^4) \\ &:= 5/5 + (((55/5)^{5-5/5}) - 5^5) \\ &:= ((6-6/6)^6) - (((((6+6)/6)^{6+6}) + 6) + 6) \\ &:= 7 + (((77777/7) + (7 \times (7 \times 7+7))) + 7) \\ &:= (88/8) \times ((8888/8) - (8 \times 8)) \\ &:= (((999/9) - 9) \times ((999+9) + 9/9)) - 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11518 &:= 1 + (11 \times (1 + (11 + (11 + ((1+1)^{11-1})))) \\ &:= ((22-2) \times ((22+2)^2)) - 2 \\ &:= 3/3 + (33 \times (((3/3+3+3)^3) + 3) + 3)) \\ &:= 4^4 + ((4^4 \times 44) - ((4+4)/4)) \\ &:= ((5+5)/5) + (((55/5)^{5-5/5}) - 5^5) \\ &:= (6 \times ((6 \times 6-6) \times (((6+6)/6)^6))) - ((6+6)/6) \\ &:= 7 + ((777 \times ((77+7)/7)) + (((7+7+7)/7)^7)) \\ &:= ((8+8) \times (((8 \times 88) + 8) + 8)) - ((8+8)/8) \\ &:= 9 + (((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - ((9+9)/9)) + 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11519 &:= ((1 + 111)^{1+1}) - (1 + ((1+1)^{11-1})) \\ &:= ((22-2) \times ((22+2)^2)) - 2/2 \\ &:= ((3^3 - (3/3+3))^3) - (3 \times ((3+3)^3)) \\ &:= 4^4 + ((4^4 \times 44) - 4/4) \\ &:= (5 \times 5^5) - (((5-5/5)^{5/5+5}) + 5) + 5) \\ &:= (6 \times ((6 \times 6-6) \times (((6+6)/6)^6))) - 6/6 \\ &:= (((((7+7)/7)^7) \times (((77-7/7) + 7) + 7)) - 7/7 \\ &:= ((8+8) \times (((8 \times 88) + 8) + 8)) - 8/8 \\ &:= 9 + (((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) - 9/9) + 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11520 &:= ((1 + 111)^{1+1}) - ((1+1)^{11-1}) \\ &:= (22-2) \times ((22+2)^2) \\ &:= 3 \times ((3^3 + 33) \times ((3/3+3)^3)) \\ &:= 4^4 + (4^4 \times 44) \\ &:= 5 \times ((55 - (((5+5)/5) + 5))^{(5+5)/5}) \\ &:= 6 \times ((6 \times 6-6) \times (((6+6)/6)^6)) \\ &:= (((7+7)/7)^7) \times (((77-7/7) + 7) + 7) \\ &:= (8+8) \times (((8 \times 88) + 8) + 8) \\ &:= 9 + (((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) + 9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11521 &:= 1 + (((1 + 111)^{1+1}) - ((1 + 1)^{11-1})) \\
&:= 2/2 + ((22 - 2) \times ((22 + 2)^2)) \\
&:= 3/3 + (3 \times ((3^3 + 33) \times ((3/3 + 3)^3))) \\
&:= 4/4 + (4^4 \times 44 + 4^4) \\
&:= 5 + (((55/5)^{5-5/5}) - 5^5) \\
&:= 6/6 + (6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) - 7/7) + (7 \times 7) \\
&:= 8/8 + ((8 + 8) \times (((8 \times 88) + 8) + 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) - 9) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11522 &:= 1 + (1 + (((1 + 111)^{1+1}) - ((1 + 1)^{11-1}))) \\
&:= 2 + ((22 - 2) \times ((22 + 2)^2)) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - (3 \times ((3 + 3)^3))) \\
&:= 4^4 + (4^4 \times 44 + ((4 + 4)/4)) \\
&:= 5 + (((55/5)^{5-5/5}) - 5^5) + 5/5 \\
&:= ((6 + 6)/6) + (6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) + (7 \times 7)) \\
&:= ((8 + 8)/8) + ((8 + 8) \times (((8 \times 88) + 8) + 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11523 &:= (1 + 11 + 11) \times (((1 + 1)^{11-1-1}) - 11) \\
&:= 2 + (((22 - 2) \times ((22 + 2)^2)) + 2/2) \\
&:= 3 + (3 \times ((3^3 + 33) \times ((3/3 + 3)^3))) \\
&:= 4 + (((4^4 \times 44) - 4/4) + 4^4) \\
&:= ((5 - 5/5) \times (5^5 - ((5 - (5 + 5)/5)^5))) - 5 \\
&:= ((6 - 6/6)^6) - (((6 + 6)/6)^{6+6}) + 6 \\
&:= (7 \times 777) + ((7/7 + 77)^{(7+7)/7}) \\
&:= 88/8 + (((8 + 8) \times (((8 \times 88) + 8) + 8)) - 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) - 9) + (99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11524 &:= ((111 - 1)^{1+1}) - (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= 2 + (((22 - 2) \times ((22 + 2)^2)) + 2) \\
&:= 3 + ((3 \times ((3^3 + 33) \times ((3/3 + 3)^3))) + 3/3) \\
&:= 4 + (4^4 \times 44 + 4^4) \\
&:= (5 \times 5^5) - (((5 - 5/5)^{5/5+5}) + 5) \\
&:= 6 + ((6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) - ((6 + 6)/6)) \\
&:= 77 + (((77777/7) - 7) + (7 \times 7 \times 7)) \\
&:= (8 \times 8/(8 + 8)) + ((8 + 8) \times (((8 \times 88) + 8) + 8)) \\
&:= ((9 + 9)/9) \times ((9 \times ((9 \times (9 \times 9) - 9)) - 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11525 &:= ((1 + 1)^{11+1+1}) + ((1 + 1 + 1) \times 1111) \\
&:= 2 + (((22 - 2) \times ((22 + 2)^2)) + 2/2) + 2 \\
&:= ((3/3 + 33) \times (333 + 3 + 3)) - 3/3 \\
&:= 4 + (((4^4 \times 44) + 4^4) + 4/4) \\
&:= 5 \times ((5^5 - (55 \times (5 + 5 + 5))) + 5) \\
&:= 6 + ((6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) - 6/6) \\
&:= ((77/7 + 7) + 7) \times ((7 \times 77) - (7/7 + 77)) \\
&:= 8 + ((88/8) \times ((8888/8) - (8 \times 8))) \\
&:= (9 \times (9 \times (99 + 9 + 9))) + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11526 &:= (1 + (1 + 111)) \times (1 + (1 + ((11 - 1)^{1+1}))) \\
&:= 2 + (((22 - 2) \times ((22 + 2)^2)) + 2) + 2 \\
&:= (3/3 + 33) \times (333 + 3 + 3) \\
&:= 4 + (((4^4 \times 44) + ((4 + 4)/4)) + 4^4) \\
&:= 5^5 + (((5/5 + 5)^5) + (5^5/5)) \\
&:= 6 + (6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) \\
&:= 77 + (((7 + 7)/7) + (7 \times (7 + 7))) + 7^{(7+7)/7} \\
&:= 8 + (((8 + 8) \times (((8 \times 88) + 8) + 8)) - ((8 + 8)/8)) \\
&:= ((999/9) - 9) \times (((999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11527 &:= 1 + ((1 + (1 + 111)) \times (1 + (1 + ((11 - 1)^{1+1})))) \\
&:= (22 \times ((22 + 2/2)^2)) - (222/2) \\
&:= 3/3 + ((3/3 + 33) \times (333 + 3 + 3)) \\
&:= 4 + (((4^4 \times 44) - 4/4) + 4^4) + 4 \\
&:= 5^5 + (((5^5 + 5)/5) + ((5/5 + 5)^5)) \\
&:= 6 + ((6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) + 6/6) \\
&:= 7 + (((7 + 7)/7)^7) \times (((77 - 7/7) + 7) + 7) \\
&:= 8 + (((8 + 8) \times (((8 \times 88) + 8) + 8)) - 8/8) \\
&:= 9999 + ((9 \times ((9 \times (9 + 9)) + 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11528 &:= 11 \times (((1 + 1)^{11}) - ((11 - 1)^{1+1+1})) \\
&:= 2 \times (22 \times (22^2 - 222)) \\
&:= (3 \times (3 - ((3 + 3)^3))) + ((3^3 - (3/3 + 3))^3) \\
&:= 4 + (((4^4 \times 44) + 4^4) + 4) \\
&:= (5 - 5/5) \times (5^5 - ((5 - (5 + 5)/5)^5)) \\
&:= ((6 - 6/6)^6) - (((6 + 6)/6)^{6+6}) + 6/6 \\
&:= (((7/7 + 7) + 7) \times (777 - (7/7 + 7))) - 7 \\
&:= 8 + ((8 + 8) \times (((8 \times 88) + 8) + 8)) \\
&:= (9 - 9/9) \times (((9 + 9) \times ((9 \times 9) - 9/9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11529 &:= 1 + (11 \times (((1 + 1)^{11}) - ((11 - 1)^{1+1+1}))) \\
&:= 2/2 + (2 \times (22 \times (22^2 - 222))) \\
&:= 3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) - 3)) + 3)) \\
&:= 4 + (((4^4 \times 44) + 4^4) + 4/4) + 4 \\
&:= (5 \times 5^5) - ((5 - 5/5)^{5/5+5}) \\
&:= ((6 - 6/6)^6) - (((6 + 6)/6)^{6+6}) \\
&:= 777 + ((77 + 7) \times (((7 + 7)/7)^7)) \\
&:= 8 + (((8 + 8) \times (((8 \times 88) + 8) + 8)) + 8/8) \\
&:= 9 + (((9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11530 &:= (11 - 1) \times (1 + ((1 + 1) \times (((1 + 1) \times (1 + 11))^{1+1}))) \\
&:= 2 + (2 \times (22 \times (22^2 - 222))) \\
&:= 3/3 + (3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) - 3)) + 3)) \\
&:= 4^4 + (4^4 \times 44 + ((44 - 4)/4)) \\
&:= 5 + (((5 + 5 + 5) \times (555 + 5)) + 5^5) \\
&:= 6/6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) \\
&:= ((777/7) \times ((777/7) - 7)) - (7 + 7) \\
&:= 8 + (((8 + 8) \times (((8 \times 88) + 8) + 8)) + ((8 + 8)/8)) \\
&:= 9 \times 9 + (((99 - 9/9) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11531 &:= 11 + (((1 + 111)^{1+1}) - ((1 + 1)^{11-1})) \\
 &:= (22/2) + ((22 - 2) \times ((22 + 2)^2)) \\
 &:= 3 + (((3^3 - (3/3 + 3))^3) + (3 \times (3 - ((3 + 3)^3)))) \\
 &:= 4^4 + (4^4 \times 44 + 44/4) \\
 &:= 5 + (((5/5 + 5)^5) + (5^5/5)) + 5^5 \\
 &:= (66/6) + (6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) \\
 &:= 77 + (((77777/7) + (7 \times 7 \times 7)) \\
 &:= 88/8 + ((8 + 8) \times (((8 \times 88) + 8) + 8)) \\
 &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) - 9) + (99/9)) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11536 &:= (1 + 111) \times (1 + (1 + (1 + ((11 - 1)^{1+1})))) \\
 &:= 2 \times (2 \times (2 \times (((2 + 2 + 2)^2) + 2)^2) - 2)) \\
 &:= (3 - 3/3) \times (((3 \times (3 + 3))^3) - ((3/3 + 3)^3)) \\
 &:= 4 \times ((4 \times (4 \times ((4 \times 44) + 4))) + 4) \\
 &:= 5 + (((5/5 + 5)^5) + (5^5/5)) + 5^5 + 5 \\
 &:= ((666 + 6)/6) \times ((6 \times 6 + 66) + 6/6) \\
 &:= 7 \times (((7 + 7 + 7)/7)^7) - (7 \times 77) \\
 &:= 8 + (((8 + 8) \times (((8 \times 88) + 8) + 8)) + 8) \\
 &:= ((9 - ((9 + 9)/9)) + 9) \times (((9 \times (9 \times 9)) - 9) + 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11532 &:= (1 + 11) \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}) \\
 &:= (2/2 + 2) \times (((2^{2+2+2}) - 2)^2) \\
 &:= 3 + (3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) - 3)) + 3))) \\
 &:= 444 + (44 \times (4^4 - 4)) \\
 &:= 5 + (((5^5 + 5)/5) + ((5/5 + 5)^5)) + 5^5 \\
 &:= 6 + ((6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) + 6) \\
 &:= 77 + (((7 + 7 + 7) \times ((7 \times 77) + 7)) - (77/7)) \\
 &:= ((88 + 8)/8) + ((8 + 8) \times (((8 \times 88) + 8) + 8)) \\
 &:= ((99 + 9)/9) \times ((9 \times (99 + 9)) - (99/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11537 &:= 1 + ((1 + 111) \times (1 + (1 + (1 + ((11 - 1)^{1+1})))))) \\
 &:= (2 \times 2 \times 22) + ((222/2 - 2 - 2)^2) \\
 &:= ((33/3)^3) + ((3^{3+3}) \times (33/3 + 3)) \\
 &:= 4 \times 4 + (((4^4 \times 44) + 4^4) + 4/4) \\
 &:= 5^5 + (((55 + 5^5)/5) + ((5/5 + 5)^5)) \\
 &:= (6 \times (66 + 6)) + (66666/6 - 6) \\
 &:= ((777/7) \times ((777/7) - 7)) - 7 \\
 &:= 8 + (((8 + 8) \times (((8 \times 88) + 8) + 8)) + 8/8) + 8 \\
 &:= 9999 + ((9 \times ((9 \times (9 + 9)) + 9)) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11533 &:= 1 + ((1 + 11) \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1})) \\
 &:= 2 + (((22 - 2) \times ((22 + 2)^2)) + (22/2)) \\
 &:= 3 + ((3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) - 3)) + 3))) + 3/3) \\
 &:= 4/4 + ((44 \times (4^4 - 4)) + 444) \\
 &:= 5 + ((5 - 5/5) \times (5^5 - ((5 - (5 + 5)/5)^5))) \\
 &:= 6 + (((6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) + 6/6) + 6) \\
 &:= (((7 + 7)/7)^{7+7}) + (77 \times ((7 - 77) + 7)) \\
 &:= (888 \times ((88 + 8 + 8)/8)) - (88/8) \\
 &:= (99 \times (99 + 9 + 9)) - (((9 \times 99) + 9)/(9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11538 &:= (11 \times (11 + ((1 + 1)^{11})) - 11111) \\
 &:= (2/2 + 2) \times (((2^{2+2+2}) - 2)^2) + 2) \\
 &:= 3 \times ((3 \times (((3 + 3) \times (((3 + 3)^3) - 3)) + 3)) + 3) \\
 &:= 4 \times 4 + (((4^4 \times 44) + ((4 + 4)/4)) + 4^4) \\
 &:= (55/5 \times (((5 - 5/5)^5) + 5 \times 5)) - 5/5 \\
 &:= 6 \times 6 \times 6 + (666 \times ((66/6) + 6)) \\
 &:= ((7 + 7)/7) \times (((77 - 7/7)^{(7+7)/7}) - 7) \\
 &:= (8/8 + 8) \times (((8 + 8) \times (88 - 8)) + ((8 + 8)/8)) \\
 &:= 9999 + (9 \times ((9 \times (9 + 9)) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11534 &:= 1 + (1 + ((1 + 11) \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}))) \\
 &:= 2 + ((2/2 + 2) \times (((2^{2+2+2}) - 2)^2)) \\
 &:= 33 + ((33 \times 333) + ((3 - 3/3)^{3 \times 3})) \\
 &:= 4 + (((4^4 \times 44) + ((44 - 4)/4)) + 4^4) \\
 &:= 5 + ((5 \times 5^5) - ((5 - 5/5)^{5/5+5})) \\
 &:= 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6}) + 6/6) \\
 &:= (((7 + 7)/7) + 77) \times ((7 \times (7 + 7 + 7)) - 7/7) \\
 &:= 8 + (((8 + 8) \times (((8 \times 88) + 8) + 8)) - ((8 + 8)/8) + 8) \\
 &:= 99 + ((99999/9) + ((9 + 9) \times (9 + 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11539 &:= 11 \times (1 + (((1 + 1)^{11}) - ((11 - 1)^{1+1+1}))) \\
 &:= (2 \times ((222 \times (22 + 2 + 2) - 2)) - 2/2) \\
 &:= (33 \times 3^3) + ((33 - 33/3)^3) \\
 &:= 4 + (((4^4 \times 44) + 44/4) + 4^4) + 4 \\
 &:= (55/5) \times (((5 - 5/5)^5) + 5 \times 5) \\
 &:= 66 + ((66 \times ((6 \times (6 \times 6 - 6) - 6)) - (66/6)) \\
 &:= 7777 + ((7 \times (7 \times 77)) - (77/7)) \\
 &:= 8 + (((8 + 8) \times (((8 \times 88) + 8) + 8)) + (88/8)) \\
 &:= 9 + (((99 - 9/9) + 9)^{(9+9)/9}) + (9 \times 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11535 &:= ((1 + 111) \times (1 + (1 + (1 + ((11 - 1)^{1+1})))) - 1) \\
 &:= (2/2 + 2) \times (((2^{2+2+2}) - 2)^2) + 2/2) \\
 &:= 3 \times (((3 - 3/3)^{3 \times 3}) + 3333) \\
 &:= 4 + (((4^4 \times 44) + 44/4) + 4^4) \\
 &:= 5 + (((5 + 5 + 5) \times (555 + 5)) + 5^5) + 5 \\
 &:= 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) \\
 &:= ((7/7 + 7) + 7) \times (777 - (7/7 + 7)) \\
 &:= ((8 - 8/8) + 8) \times ((8 \times (88 + 8)) + 8/8) \\
 &:= 9 + (((999/9) - 9) \times (((999 + 9) + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 11540 &:= (1 + 1) \times ((11 - 1) \times (1 + (((1 + 1) \times (1 + 11))^{1+1}))) \\
 &:= 2 \times ((222 \times (22 + 2 + 2) - 2) \\
 &:= ((33/3) + 3 \times 3) \times (((3 \times 3 + 3)^3) + 3)/3) \\
 &:= 4 + (((4^4 \times 44) + 4^4) + 4 \times 4) \\
 &:= (5 + 5) \times (((5 - 5/5)^5) + 5 \times 5 \times 5) + 5 \\
 &:= (66/6) + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) \\
 &:= 7 + ((77 \times ((7 - 77) + 7)) + (((7 + 7)/7)^{7+7})) \\
 &:= (((88 + 8)/8) + 8) \times ((8 \times ((8 \times 8) + 8)) + 8/8) \\
 &:= ((9 + 9)/9) + ((9 \times (9 \times (9 + 9)) + 9)) + 9999
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11541 &:= 1 + ((1 + 1) \times ((11 - 1) \times (1 + (((1 + 1) \times (1 + 11))^{1+1})))) \\
&:= 22 + (((22 - 2) \times ((22 + 2)^2)) - 2/2) \\
&:= 3 + (((333 \times (3/3 + 33)) + ((3 + 3)^3)) \\
&:= 4 + (((4^4 \times 44) + 4^4) + 4 \times 4) + 4/4) \\
&:= 5 \times 5 + (((55/5)^{5-5/5}) - 5^5) \\
&:= 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) + 6) \\
&:= 7 + (((7 + 7)/7) + 77) \times ((7 \times (7 + 7 + 7)) - 7/7)) \\
&:= 8 + ((888 \times ((88 + 8 + 8)/8)) - 88/8) \\
&:= 9 + (((99 + 9)/9) \times ((9 \times (99 + 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11542 &:= ((111 - (1 + 1 + 1))^{1+1}) - (1 + (11^{1+1})) \\
&:= 22 + ((22 - 2) \times ((22 + 2)^2)) \\
&:= 3 + (((33 - 33/3)^3) + (33 \times 3^3)) \\
&:= 4^4 + ((44/((4 + 4)/4)) + (4^4 \times 44)) \\
&:= 5 + (((55 + 5^5)/5) + ((5/5 + 5^5)) + 5^5) \\
&:= ((6 \times 6) - (6/6 + 6)) \times (((6 + 6)/6) + (6 \times 66)) \\
&:= 7 + (((7/7 + 7) + 7) \times (777 - (7/7 + 7))) \\
&:= (888 \times ((88 + 8 + 8)/8)) - ((8 + 8)/8) \\
&:= (((9 + 9)/9)^9) + ((99999/9) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11543 &:= ((111 - (1 + 1 + 1))^{1+1}) - (11^{1+1}) \\
&:= (2 \times (222 \times (22 + 2 + 2))) - 2/2 \\
&:= 3 + (((33/3) + 3 \times 3) \times (((3 \times 3 + 3)^3) + 3/3)) \\
&:= 4^4 + ((44444/4) + (4 \times 44)) \\
&:= (((5 + 5)/5) + 5) \times (((5 - 5/5)^5) + (5^5/5)) \\
&:= (6 \times (66 + 6)) + (66666/6) \\
&:= 77 + ((7 + 7 + 7) \times ((7 \times 77) + 7)) \\
&:= ((8/8 + 88) + 8) \times ((888/8) + 8) \\
&:= (99 - ((9 + 9)/9)) \times (((99/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11544 &:= 111 \times (1 + (1 + (1 + (1 + ((11 - 1)^{1+1})))) \\
&:= 2 \times (222 \times (22 + 2 + 2)) \\
&:= ((33 + 3) + 3) \times ((3 \times 3 \times 33) - 3/3) \\
&:= 444 \times ((44/((4 + 4)/4)) + 4) \\
&:= 5 + (55/5 \times (((5 - 5/5)^5) + 5 \times 5)) \\
&:= 66 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) - 6) \\
&:= (777/7) \times ((777/7) - 7) \\
&:= 888 \times ((88 + 8 + 8)/8) \\
&:= ((99 + 9)/9) \times ((9 \times (99 + 9)) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11545 &:= 1 + (111 \times (1 + (1 + (1 + (1 + ((11 - 1)^{1+1})))) \\
&:= 2/2 + (2 \times (222 \times (22 + 2 + 2))) \\
&:= 3 + (((33 - 33/3)^3) + (33 \times 3^3)) + 3) \\
&:= 4/4 + (444 \times ((44/((4 + 4)/4)) + 4)) \\
&:= (55 \times (55 \times (5 - 5/5))) - 555 \\
&:= (6 - 6/6) \times ((6 \times (6 \times 66)) - (66 + 6/6)) \\
&:= 7/7 + ((777/7) \times ((777/7) - 7)) \\
&:= 8/8 + (888 \times ((88 + 8 + 8)/8)) \\
&:= ((99 + 9) \times ((99 - 9/9) + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11546 &:= 1 + (1 + (111 \times (1 + (1 + (1 + (1 + ((11 - 1)^{1+1})))) \\
&:= 2 + (2 \times (222 \times (22 + 2 + 2))) \\
&:= 3^3 + (((3^3 - (3/3 + 3))^3) - (3 \times ((3 + 3)^3))) \\
&:= (((4 + 4)/4) + 44) \times (4^4 - (4/4 + 4)) \\
&:= 5 + (((55/5)^{5-5/5}) - 5^5) + 5 \times 5) \\
&:= (((66 - 6)/6) + (6 \times 6)) \times ((6 \times (6 \times 6 + 6)) - 6/6) \\
&:= ((7 + 7) \times (777 + (7 \times 7))) - (77/7 + 7) \\
&:= ((8 + 8)/8) + (888 \times ((88 + 8 + 8)/8)) \\
&:= ((99 + 9) \times ((99 - 9/9) + 9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11547 &:= ((1 + (1 + 111))^{1+1}) - (1 + (11 \times 111)) \\
&:= 2 + ((2 \times (222 \times (22 + 2 + 2))) + 2/2) \\
&:= 3 \times ((3 \times ((33 \times ((33 + 3) + 3)) - 3)) - 3) \\
&:= 444/4 + ((44 \times (4^4 + 4)) - 4) \\
&:= 5 + (((55 + 5^5)/5) + ((5/5 + 5^5)) + 5^5) + 5) \\
&:= 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) + 6) + 6) \\
&:= (77/7) + (7 \times (((7 + 7 + 7)/7)^7) - (7 \times 77)) \\
&:= 8 + (((8 + 8) \times ((8 \times 88) + 8) + 8)) + (88/8) + 8) \\
&:= ((99 + 9) \times ((99 - 9/9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11548 &:= ((1 + (1 + 111))^{1+1}) - (11 \times 111) \\
&:= 2 \times ((222 \times (22 + 2 + 2)) + 2) \\
&:= 3 \times 3 + (((33 - 33/3)^3) + (33 \times 3^3)) \\
&:= 4444 + (4 \times (4 \times 444)) \\
&:= (5 - 5/5) \times ((5^5 - ((5 - (5 + 5)/5)^5)) + 5) \\
&:= (((6 + 6)/6)^6) + (66 \times ((6 \times (6 \times 6 - 6)) - 6)) \\
&:= 7777 + ((7 \times (7 \times 77)) - ((7 + 7)/7)) \\
&:= (8 \times 888) + (8888/((8 + 8)/8)) \\
&:= 99 + (((99 - 9/9) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11549 &:= 1 + (((1 + (1 + 111))^{1+1}) - (11 \times 111)) \\
&:= 2/2 + (2 \times ((222 \times (22 + 2 + 2)) + 2)) \\
&:= ((3 - 333) \times (3/3 - (33 + 3))) - 3/3 \\
&:= ((44 + 4/4) \times (4/4 + 4^4)) - (4 \times 4) \\
&:= 5 + ((55/5 \times (((5 - 5/5)^5) + 5 \times 5)) + 5) \\
&:= 6 + (66666/6 + (6 \times (66 + 6))) \\
&:= 7777 + ((7 \times (7 \times 77)) - 7/7) \\
&:= (((88 + 8 + 8)/8) \times (888 + 8/8)) - 8 \\
&:= 9/9 + (((99 - 9/9) + 9)^{(9+9)/9}) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11550 &:= (11 - 1) \times (((1 + (11 \times (1 + 1 + 1)))^{1+1}) - 1) \\
&:= 22 \times (((22 + 2/2)^2) - (2 + 2)) \\
&:= (3 - 333) \times (3/3 - (33 + 3)) \\
&:= (44 \times (4^4 + 4)) + ((444 - 4)/4) \\
&:= 5 \times (55 \times (((5 + 5)/5)^5) + 5) + 5) \\
&:= 66 + (66 \times ((6 \times (6 \times 6 - 6)) - 6)) \\
&:= 7777 + (7 \times (7 \times 77)) \\
&:= ((8 - 8/8) + 8) \times ((8 \times (88 + 8)) + ((8 + 8)/8)) \\
&:= (99/9) \times ((9 \times (99 + 9 + 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11551 &:= 1 + ((11 - 1) \times (((1 + (11 \times (1 + 1 + 1)))^{1+1}) - 1)) \\
&:= (2 \times ((2 \times ((2 + 2 + 2)^2) + 2)^2) - 2/2 \\
&:= 3/3 + ((3 - 333) \times (3/3 - (33 + 3))) \\
&:= 444/4 + (44 \times (4^4 + 4)) \\
&:= 5 \times 5 + (((5/5 + 5)^5) + (5^5/5) + 5^5) \\
&:= 66 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) + 6/6) \\
&:= 7 + ((777/7) \times ((777/7) - 7)) \\
&:= 8 + (((8/8 + 88) + 8) \times ((888/8) + 8)) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - (((999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11552 &:= 11111 + ((11 + (11 - 1))^{1+1}) \\
&:= 2 \times (2 \times ((2 + 2 + 2)^2) + 2)^2 \\
&:= (33 - 3/3) \times ((333 + 3^3) + 3/3) \\
&:= 4 \times (((4 \times (4 \times ((4 \times 44) + 4))) + 4) + 4) \\
&:= 5 \times 5 + (((5^5 + 5)/5) + ((5/5 + 5)^5) + 5^5) \\
&:= 66 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) + ((6 + 6)/6)) \\
&:= ((7 + 7)/7) \times ((77 - 7/7)^{(7+7)/7}) \\
&:= 8 + (888 \times ((88 + 8 + 8)/8)) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11553 &:= ((111 - (1 + 1 + 1))^{1+1}) - 111 \\
&:= 2/2 + (2 \times ((2 \times ((2 + 2 + 2)^2) + 2)^2) \\
&:= 3 + ((3 - 333) \times (3/3 - (33 + 3))) \\
&:= ((4 - 4^4)/4) + (44 \times (4^4 + 4 + 4)) \\
&:= 5 + ((5 - 5/5) \times ((5^5 - ((5 - (5 + 5)/5)^5) + 5)) \\
&:= (6 \times (6 \times (6 \times (66 - (6 + 6)))) - (666/6)) \\
&:= ((7 + 7) \times (777 + (7 \times 7))) - (77/7) \\
&:= 8 + ((888 \times ((88 + 8 + 8)/8)) + 8/8) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11554 &:= 1 + (((111 - (1 + 1 + 1))^{1+1}) - 111) \\
&:= 2 + (2 \times ((2 \times ((2 + 2 + 2)^2) + 2)^2) \\
&:= 3 + (((3 - 333) \times (3/3 - (33 + 3))) + 3/3) \\
&:= 4 + ((44 \times (4^4 + 4)) + ((444 - 4)/4)) \\
&:= (5 \times (5^5 + 5)) - ((5 - 5/5)^{5/5+5}) \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6)) + (((6 + 6)/6)^6)) \\
&:= ((7 - 77)/7) + ((7 + 7) \times (777 + (7 \times 7))) \\
&:= 8 + ((888 \times ((88 + 8 + 8)/8)) + ((8 + 8)/8)) \\
&:= ((9 - 999)/9) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11555 &:= 11111 + ((1 + 1) \times ((1 + 1) \times 111)) \\
&:= (2 \times 222) + (22222/2) \\
&:= (3 \times (3 \times ((33 \times ((33 + 3) + 3)) - 3))) - 3/3 \\
&:= 444 + (44444/4) \\
&:= 5 + (5 \times (55 \times (((5 + 5)/5)^5) + 5) + 5)) \\
&:= (6 - 6/6) \times ((66 \times ((6 \times 6) - 6/6)) + 6/6) \\
&:= ((7 + 7) \times (777 + (7 \times 7))) - ((7 + 7)/7 + 7) \\
&:= 88/8 + (888 \times ((88 + 8 + 8)/8)) \\
&:= ((99 + 9) \times ((99 - 9/9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11556 &:= 1 + (11111 + ((1 + 1) \times ((1 + 1) \times 111))) \\
&:= 2 \times ((2 \times ((2 + 2 + 2)^2) + 2)^2) + 2 \\
&:= 3 \times (3 \times ((33 \times ((33 + 3) + 3)) - 3)) \\
&:= 4 + (((4^4 \times 44) + (4 \times (4 + 4))) + 4^4) \\
&:= (5/5 + 5) \times ((55 \times ((5 \times 5 + 5) + 5)) + 5/5) \\
&:= 6 \times (((6 \times 6 - 6) \times (((6 + 6)/6)^6)) + 6) \\
&:= ((7 + 7) \times (777 + (7 \times 7))) - (7/7 + 7) \\
&:= 8 + ((8888/(8 + 8)/8) + (8 \times 888)) \\
&:= (99 + 9) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11557 &:= (1 + 1 + 11) \times (1 + (111 \times ((1 + 1)^{1+1+1}))) \\
&:= ((22 + 2) \times (22^2 - 2)) - (22/2) \\
&:= 3/3 + (3 \times (3 \times ((33 \times ((33 + 3) + 3)) - 3))) \\
&:= ((44 + 4/4) \times (4/4 + 4^4)) - (4 + 4) \\
&:= (((5 + 5)/5) + 5) \times ((55 \times (5 \times 5 + 5)) + 5/5) \\
&:= ((6 - 6/6)^6) - (6 \times ((666 + 6) + 6)) \\
&:= ((7 + 7) \times (777 + (7 \times 7))) - 7 \\
&:= ((88 + 8 + 8)/8) \times (888 + 8/8) \\
&:= 9/9 + ((99 + 9) \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11558 &:= ((11 - 1) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1})) - (1 + 1) \\
&:= ((22 - 2) \times ((22 + 2)^2) + 2) - 2 \\
&:= (3 \times ((3/3 + 3)^{3+3})) - ((3^3+3) + 3/3) \\
&:= 4 + (((44 \times (4^4 + 4)) + ((444 - 4)/4)) + 4) \\
&:= ((5 + 5)^{5-5/5}) + (((5 \times 5^5) + 5)/(5 + 5)) - 5 \\
&:= 6/6 + (((6 - 6/6)^6) - (6 \times ((666 + 6) + 6))) \\
&:= 7/7 + (((7 + 7) \times (777 + (7 \times 7))) - 7) \\
&:= 8 + (((8 - 8/8) + 8) \times ((8 \times (88 + 8)) + ((8 + 8)/8))) \\
&:= ((9 + 9)/9) + ((99 + 9) \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11559 &:= ((11 - 1) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1})) - 1 \\
&:= ((22 - 2) \times ((22 + 2)^2) + 2) - 2/2 \\
&:= (3 \times ((3/3 + 3)^{3+3})) - (3^3+3) \\
&:= 4 + ((44444/4) + 444) \\
&:= 5 + ((5 \times (5^5 + 5)) - ((5 - 5/5)^{5/5+5})) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))) - (666/6)) \\
&:= 7 + (((7 + 7)/7) \times ((77 - 7/7)^{(7+7)/7})) \\
&:= (8 \times ((8 \times 8) - 8)) + (88888/8) \\
&:= (9 \times (9 \times (9 + 9))) + (999999/99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11560 &:= (11 - 1) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1}) \\
&:= (22 - 2) \times (((22 + 2)^2) + 2) \\
&:= (3/3 + 33) \times (((3/3 + 3 + 3)^3) - 3) \\
&:= 44 + ((4^4 \times 44 - 4) + 4^4) \\
&:= ((55 + 5)/5 + 5) \times ((5^5/5) + 55) \\
&:= (6 - 6/6) \times ((6 \times (6 \times 66)) - (((6 + 6)/6)^6)) \\
&:= 7 + (((7 + 7) \times (777 + (7 \times 7))) - (77/7)) \\
&:= 8 + ((888 \times ((88 + 8 + 8)/8)) + 8) \\
&:= (9 - 9/9) \times ((9 \times (9 \times (9 + 9))) - ((99 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11561 &:= 1 + ((11 - 1) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1})) \\
&:= 2/2 + ((22 - 2) \times (((22 + 2)^2) + 2)) \\
&:= 3 + ((3 \times ((3/3 + 3)^{3+3}) - ((3^{3+3}) + 3/3)) \\
&:= ((44 + 4/4) \times (4/4 + 4^4)) - 4 \\
&:= (55/5) \times ((5555/5) - (55 + 5)) \\
&:= (66/6) \times (((6666/6) - 66) + 6) \\
&:= (77/7) + (7777 + (7 \times (7 \times 7))) \\
&:= 8 + (((888 \times ((88 + 8 + 8)/8)) + 8/8) + 8) \\
&:= (99/9) \times ((9 \times (99 + 9 + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11562 &:= 1 + (1 + ((11 - 1) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1}))) \\
&:= 2 + ((22 - 2) \times (((22 + 2)^2) + 2)) \\
&:= 3 + ((3 \times ((3/3 + 3)^{3+3}) - (3^{3+3})) \\
&:= 44 + (((4^4 \times 44) - ((4 + 4)/4) + 4^4) \\
&:= ((5 + 5)^{5-5/5}) + (((5 \times 5^5) - 5)/(5 + 5)) \\
&:= 6 + (6 \times (((6 \times 6 - 6) \times (((6 + 6)/6)^6)) + 6)) \\
&:= ((7 + 7) \times (777 + (7 \times 7))) - ((7 + 7)/7) \\
&:= ((8/8 + 88) \times (8 \times (8 + 8) + ((8 + 8)/8))) - 8 \\
&:= 9 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11563 &:= 1 + (1 + (1 + ((11 - 1) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1})))) \\
&:= 2 + (((22 - 2) \times (((22 + 2)^2) + 2)) + 2/2) \\
&:= 3 + ((3/3 + 33) \times (((3/3 + 3 + 3)^3) - 3)) \\
&:= 44 + (((4^4 \times 44) - 4/4) + 4^4) \\
&:= ((5 + 5)^{5-5/5}) + (((5 \times 5^5) + 5)/(5 + 5)) \\
&:= ((6 - 6/6)^6) - ((6 \times 666) + 66) \\
&:= ((7 + 7) \times (777 + (7 \times 7))) - 7/7 \\
&:= 8 + ((888 \times ((88 + 8 + 8)/8)) + (88/8)) \\
&:= (99 \times (99 + 9 + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11564 &:= 11 + (((111 - (1 + 1 + 1))^{1+1}) - 111) \\
&:= ((22 + 2) \times (22^2 - 2)) - (2 + 2) \\
&:= 33 \times 333 + (((3 \times 3 + 3)^3) - 3)/3 \\
&:= 44 + (4^4 \times 44 + 4^4) \\
&:= 5 \times 5 + (55/5 \times (((5 - 5/5)^5) + 5 \times 5)) \\
&:= 6/6 + (((6 - 6/6)^6) - ((6 \times 666) + 66)) \\
&:= (7 + 7) \times (777 + (7 \times 7)) \\
&:= (88/((8 + 8)/8)) + ((8 + 8) \times (((8 \times 88) + 8) + 8)) \\
&:= (99 - 9/9) \times (((9/9 + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11565 &:= 1 + (11 + (((111 - (1 + 1 + 1))^{1+1}) - 111)) \\
&:= ((22 + 2) \times (22^2 - 2)) - (2/2 + 2) \\
&:= 3 \times ((3 \times ((3 + 3)^{3+3}) - 33) \\
&:= (44 + 4/4) \times (4/4 + 4^4) \\
&:= 5 + (((55 + 5)/5 + 5) \times ((5^5/5) + 55)) \\
&:= 6 \times 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) \\
&:= 7/7 + ((7 + 7) \times (777 + (7 \times 7))) \\
&:= 8 + (((88 + 8 + 8)/8) \times (888 + 8/8)) \\
&:= (99 \times (99 + 9 + 9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11566 &:= 11 + (11111 + ((1 + 1) \times ((1 + 1) \times 111))) \\
&:= ((22 + 2) \times (22^2 - 2)) - 2 \\
&:= 3/3 + (3 \times ((3 \times ((3 + 3)^{3+3}) - 33)) \\
&:= 4/4 + ((44 + 4/4) \times (4/4 + 4^4)) \\
&:= 55 + (((55/5)^{5-5/5}) - (5^5 + 5)) \\
&:= 6 + ((6 - 6/6) \times ((6 \times (6 \times 66)) - (((6 + 6)/6)^6))) \\
&:= ((7 + 7)/7) + ((7 + 7) \times (777 + (7 \times 7))) \\
&:= ((8 + 8)/8) \times (((8 \times ((8 \times 88) + 8)) - 8/8) + 88) \\
&:= 9/9 + ((99 \times (99 + 9 + 9)) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11567 &:= ((1 + 1) \times ((1 + 11) \times (((11 + 11)^{1+1}) - (1 + 1)))) - 1 \\
&:= ((22 + 2) \times (22^2 - 2)) - 2/2 \\
&:= 3 + (((((3 \times 3 + 3)^3) - 3)/3) + 33 \times 333) \\
&:= 4 + (((4^4 \times 44) - 4/4) + 4^4) + 44 \\
&:= 5 + (((5 \times 5^5) - 5)/(5 + 5)) + ((5 + 5)^{5-5/5}) \\
&:= 6 + ((66/6) \times (((6666/6) - 66) + 6)) \\
&:= ((7 + 7 + 7)/7) + ((7 + 7) \times (777 + (7 \times 7))) \\
&:= 8 + ((88888/8) + (8 \times ((8 \times 8) - 8))) \\
&:= ((9 + 9)/9) + ((99 \times (99 + 9 + 9)) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11568 &:= (1 + 1) \times ((1 + 11) \times (((11 + 11)^{1+1}) - (1 + 1))) \\
&:= (22 + 2) \times (22^2 - 2) \\
&:= 3 + (3 \times ((3 \times ((3 + 3)^{3+3}) - 33)) \\
&:= 4 + (((4^4 \times 44) + 4^4) + 44) \\
&:= ((55 + 5)/5) \times (((5 - 5/5)^5) - (55 + 5)) \\
&:= 6 + ((6 \times (((6 \times 6 - 6) \times (((6 + 6)/6)^6)) + 6)) + 6) \\
&:= (77/7) + (((7 + 7) \times (777 + (7 \times 7))) - 7) \\
&:= (8 + 8) \times (((88/8) + (8 \times 88)) + 8) \\
&:= (9 - 9/9) \times ((9 \times (9 \times (9 + 9))) - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11569 &:= ((11 - 1) \times (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1}))) - 1 \\
&:= 2/2 + ((22 + 2) \times (22^2 - 2)) \\
&:= 3 + ((3 \times ((3 \times ((3 + 3)^{3+3}) - 33)) + 3/3) \\
&:= 4 + ((44 + 4/4) \times (4/4 + 4^4)) \\
&:= 5 + ((55/5 \times (((5 - 5/5)^5) + 5 \times 5)) + 5 \times 5) \\
&:= 6 + (((6 - 6/6)^6) - ((6 \times 666) + 66)) \\
&:= 7 + (((7 + 7) \times (777 + (7 \times 7))) - ((7 + 7)/7)) \\
&:= 8/8 + ((8 + 8) \times (((88/8) + (8 \times 88)) + 8)) \\
&:= (((9 + 9)/9)^9) - 9 \times (((99 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11570 &:= (11 - 1) \times (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1})) \\
&:= 2 + ((22 + 2) \times (22^2 - 2)) \\
&:= (((3 \times 3) + 3/3) + 3) \times (((3 \times 3^3) - 3/3) \\
&:= ((4^4 + 4)/4) \times ((4 \times 44) + ((4 + 4)/4)) \\
&:= 5^5 + (((55 + 5 + 5) \times (5 \times 5 \times 5 + 5)) - 5) \\
&:= (6/6 - 66) \times ((6 \times (6 - 6 \times 6)) + ((6 + 6)/6)) \\
&:= 7 + (((7 + 7) \times (777 + (7 \times 7))) - 7/7) \\
&:= (8/8 + 88) \times (8 \times (8 + 8) + ((8 + 8)/8)) \\
&:= ((99 + 9 + 9)/9) \times ((9 \times 99) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11571 &:= 1 + ((11 - 1) \times (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1}))) \\
&:= 2 + (((22 + 2) \times (22^2 - 2)) + 2/2) \\
&:= (3 \times ((3 \times (33 \times ((33 + 3) + 3))) - 3)) - 3 \\
&:= (44 \times (4^4 + 4 + 4)) - (44 + 4/4) \\
&:= 55 + (((55/5)^{5-5/5}) - 5^5) \\
&:= 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) + (6 \times 6) \\
&:= 7 + ((7 + 7) \times (777 + (7 \times 7))) \\
&:= (8 - 8/8) \times (((88/8) + 8) \times (88 - 8/8)) \\
&:= (99 \times (99 + 9 + 9)) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11572 &:= 11 \times ((11 \times 111) - ((1 + 1 + 11)^{1+1})) \\
&:= 22 \times ((22 \times (22 + 2)) - 2) \\
&:= (33/3) \times ((3^3 \times ((33 + 3) + 3)) - 3/3) \\
&:= 44 \times (((4^4 - 4/4) + 4) + 4) \\
&:= 55 + (((55/5)^{5-5/5}) - 5^5) + 5/5 \\
&:= (66/6) \times (((6666 + 6)/6) - 66) + 6 \\
&:= 7 + (((7 + 7) \times (777 + (7 \times 7))) + 7/7) \\
&:= (88/8) \times (((88 + 8)/8) \times (88 - 8/8)) + 8 \\
&:= (99 \times (99 + 9 + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11573 &:= 1 + (11 \times ((11 \times 111) - ((1 + 1 + 11)^{1+1}))) \\
&:= 2/2 + (22 \times ((22 \times (22 + 2)) - 2)) \\
&:= (((3 + 3)^3) - 3)/3 \times (((3 + 3) \times 3^3) + 3/3) \\
&:= 4 + (((44 + 4/4) \times (4/4 + 4^4)) + 4) \\
&:= 5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - (55 + 5))) \\
&:= 66 + (66666/6 + (6 \times 66)) \\
&:= 7 + (((7 + 7) \times (777 + (7 \times 7))) + (7 + 7)/7) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) - (88/8) \\
&:= (99 \times (99 + 9 + 9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11574 &:= ((1 + 1) \times 11111) - ((11 + 11)^{1+1+1}) \\
&:= 2 + (22 \times ((22 \times (22 + 2)) - 2)) \\
&:= 3 \times ((3 \times (33 \times ((33 + 3) + 3))) - 3) \\
&:= 4 + (((4^4 + 4)/4) \times ((4 \times 44) + ((4 + 4)/4))) \\
&:= 5^5 + (((55 + 5 + 5) \times (5 \times 5 \times 5 + 5)) - 5/5) \\
&:= 6 \times (((6 \times 666) - 6)/(6 + 6)/6) - 66 \\
&:= ((77 - 7)/7) + ((7 + 7) \times (777 + (7 \times 7))) \\
&:= (8/8 + 8) \times (((8 + 8) \times (88 - 8)) - ((8 + 8)/8)) + 8 \\
&:= (99 \times (99 + 9 + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11575 &:= 11111 + ((1 + 1) \times (111 + (11^{1+1}))) \\
&:= 2 + ((22 \times ((22 \times (22 + 2)) - 2)) + 2/2) \\
&:= 3/3 + (3 \times ((3 \times (33 \times ((33 + 3) + 3))) - 3)) \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) - (44 + 4/4)) \\
&:= 5 \times ((55 \times (((5 + 5)/5)^5) + 5) + 5) + 5 \\
&:= 6 + (((6 - 6/6)^6) - ((6 \times 666) + 66)) + 6 \\
&:= (77/7) + ((7 + 7) \times (777 + (7 \times 7))) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) - (8/8 + 8) \\
&:= 9/9 + ((99 \times (99 + 9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11576 &:= ((1 + 111)^{1+1}) - ((1 + 1) \times ((11 + 11)^{1+1})) \\
&:= 2 + ((22 \times ((22 \times (22 + 2)) - 2)) + 2) \\
&:= 3 + (((3 + 3)^3) - 3)/3 \times (((3 + 3) \times 3^3) + 3/3) \\
&:= 4 + (44 \times (((4^4 - 4/4) + 4) + 4)) \\
&:= 5 + (((55/5)^{5-5/5}) - 5^5) + 55 \\
&:= 6 + ((6/6 - 66) \times ((6 \times (6 - 6 \times 6)) + ((6 + 6)/6))) \\
&:= ((77 + 7)/7) + ((7 + 7) \times (777 + (7 \times 7))) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) - 8 \\
&:= ((9 + 9)/9) + ((99 \times (99 + 9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11577 &:= 11111 + ((1 + 1) \times (11 + ((1 + 1) \times 111))) \\
&:= (22/2) + (((22 + 2) \times (22^2 - 2)) - 2) \\
&:= 3 + (3 \times ((3 \times (33 \times ((33 + 3) + 3))) - 3)) \\
&:= 4 + (((44 + 4/4) \times (4/4 + 4^4)) + 4) + 4 \\
&:= ((55 + 5)/5 + 5) \times (((5^5 + 5)/5) + 55) \\
&:= ((66/6) + 6) \times ((66 \times (6 + 6)) - (666/6)) \\
&:= 7 + (((7 + 7) \times (777 + (7 \times 7))) - 7/7) + 7 \\
&:= 8/8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) - 8) \\
&:= ((9 + 9 + 9)/9) + ((99 \times (99 + 9 + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11578 &:= (1 + 1 + 1 + 11) \times (((1 + 1)^{11}) - (11 \times 111)) \\
&:= 2 + (((22 \times ((22 \times (22 + 2)) - 2)) + 2) + 2) \\
&:= 3 + ((3 \times ((3 \times (33 \times ((33 + 3) + 3))) - 3)) + 3/3) \\
&:= 4 + (((4^4 + 4)/4) \times ((4 \times 44) + ((4 + 4)/4))) + 4 \\
&:= (((5 + 5)/5) + 5) \times (((5 - 5/5)^5) + (5^5/5) + 5) \\
&:= (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) + 6/6) - 6 \\
&:= 7 + (((7 + 7) \times (777 + (7 \times 7))) + 7) \\
&:= 8 + ((8/8 + 88) \times (8 \times (8 + 8) + ((8 + 8)/8))) \\
&:= ((9 - 99)/(9 + 9)) + (99 \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11579 &:= (((1 + 11) \times ((1 + 111)^{1+1})) - 1)/(1 + 1 + 11) \\
&:= (22/2) + ((22 + 2) \times (22^2 - 2)) \\
&:= (3 \times (3 \times (33 \times ((33 + 3) + 3)))) - (3/3 + 3) \\
&:= 4^4 + ((4^4 \times 44 - 4) + ((4^4 - 4)/4)) \\
&:= (5 \times (5^5 + 5 + 5)) - ((5 - 5/5)^{5/5+5}) \\
&:= (6 \times ((66 + 6) + 6)) + (66666/6) \\
&:= 7 + (((7 + 7) \times (777 + (7 \times 7))) + 7/7) + 7 \\
&:= 8 + ((8 - 8/8) \times (((88/8) + 8) \times (88 - 8/8))) \\
&:= 9 + (((99 + 9 + 9)/9) \times ((9 \times 99) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11580 &:= (11 - 1) \times (1 + (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1}))) \\
&:= (2 + 2 + 2) \times ((2 \times (2 \times (22^2 - 2))) + 2) \\
&:= (3 \times (3 \times (33 \times ((33 + 3) + 3)))) - 3 \\
&:= (4 \times (4 \times ((4 \times (4 \times 44) + 4) + 4))) - 4 \\
&:= (5 - 5/5) \times ((5 \times (555 + 5 \times 5)) - 5) \\
&:= (6 - 6 \times 6) \times (((66 - 6)/6) - (6 \times 66)) \\
&:= ((7/7 + 7) + 7) \times (((7 + 7)/7) - 7) + 777 \\
&:= ((8 - 8/8) + 8) \times ((8 \times (88 + 8)) + (8 \times 8/(8 + 8))) \\
&:= (99 \times (99 + 9 + 9)) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 11581 &:= 1 + ((11 - 1) \times (1 + (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1})))) \\ &:= 2 + (((22 + 2) \times (22^2 - 2)) + (22/2)) \\ &:= 3/3 + ((3 \times (3 \times (33 \times ((33 + 3) + 3)))) - 3) \\ &:= 4 \times 4 + ((44 + 4/4) \times (4/4 + 4^4)) \\ &:= (((5 + 5)/5)^5 + 5) \times ((5^5 + 5)/(5 + 5)) \\ &:= ((6 - 6/6)^6) - (((6 \times (666 + 6)) + 6) + 6) \\ &:= 7 + (((7 + 7) \times (777 + (7 \times 7))) + ((77 - 7)/7)) \\ &:= 8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) - 88/8) \\ &:= (99 \times (99 + 9 + 9)) - ((9 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11582 &:= (11 \times ((1 + 1 + 11) \times ((11 - 1 - 1)^{1+1}))) - 1 \\ &:= 22 + ((22 - 2) \times (((22 + 2)^2) + 2)) \\ &:= (3 \times (3 \times (33 \times ((33 + 3) + 3)))) - 3/3 \\ &:= 4^4 + (((4^4 - (4 + 4))/4) + (4^4 \times 44)) \\ &:= 5 + (((55 + 5)/5 + 5) \times (((5^5 + 5)/5) + 55)) \\ &:= ((6 - 6/6)^6) - ((6 \times (666 + 6)) + (66/6)) \\ &:= (((7 + 7)/7)^{7+7}) - (7 \times (7 \times (7 \times (7 + 7)))) \\ &:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) - ((8 + 8)/8) \\ &:= (99 \times (99 + 9 + 9)) - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11583 &:= 11 \times ((1 + 1 + 11) \times ((11 - 1 - 1)^{1+1})) \\ &:= (22/2) + (22 \times ((22 \times (22 + 2)) - 2)) \\ &:= 3 \times (3 \times (33 \times ((33 + 3) + 3))) \\ &:= 4^4 + (4^4 \times 44 + ((4^4 - 4)/4)) \\ &:= 55 + ((5 - 5/5) \times (5^5 - ((5 - (5 + 5)/5)^5))) \\ &:= ((666/6) + 6) \times ((666/6) - (6 + 6)) \\ &:= ((7 \times (7 + 7)) + 7/7) \times (((777 - 7)/7) + 7) \\ &:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) - 8/8 \\ &:= 99 \times (99 + 9 + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11584 &:= 1 + (11 \times ((1 + 1 + 11) \times ((11 - 1 - 1)^{1+1}))) \\ &:= (2^{2+2}) + ((22 + 2) \times (22^2 - 2)) \\ &:= 3/3 + (3 \times (3 \times (33 \times ((33 + 3) + 3)))) \\ &:= 4 \times (4 \times ((4 \times ((4 \times 44) + 4)) + 4)) \\ &:= 55 + ((5 \times 5^5) - ((5 - 5/5)^{5/5+5})) \\ &:= (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) + 6/6) \\ &:= 7 + (((((7 + 7) \times (777 + (7 \times 7))) - 7/7) + 7) + 7) \\ &:= 8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88) \\ &:= 9/9 + (99 \times (99 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11585 &:= 1 + (1 + (11 \times ((1 + 1 + 11) \times ((11 - 1 - 1)^{1+1})))) \\ &:= 2 + ((22 \times ((22 \times (22 + 2)) - 2)) + (22/2)) \\ &:= 3 + ((3 \times (3 \times (33 \times ((33 + 3) + 3)))) - 3/3) \\ &:= 4/4 + (4 \times (4 \times ((4 \times ((4 \times 44) + 4)) + 4))) \\ &:= (((5 + 5)/5) + 5) \times ((55 \times (5 \times 5 + 5)) + 5) \\ &:= ((6 \times 6) - 6/6) \times ((66 \times (6 - 6/6)) + 6/6) \\ &:= 7 + (((7 + 7) \times (777 + (7 \times 7))) + 7) + 7) \\ &:= 8/8 + (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) \\ &:= ((9 + 9)/9) + (99 \times (99 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11586 &:= ((1 + 1 + 1) \times 111) + (11 \times (((1 + 1)^{11-1}) - 1)) \\ &:= 2 + (((22 + 2) \times (22^2 - 2)) + (2^{2+2})) \\ &:= 3 + (3 \times (3 \times (33 \times ((33 + 3) + 3)))) \\ &:= 4^4 + (((4^4 + 4 + 4)/4) + (4^4 \times 44)) \\ &:= 5 + (((((5 + 5)/5)^5) + 5) \times ((5^5 + 5)/(5 + 5))) \\ &:= 66 + (6 \times ((6 \times 6 - 6) \times (((6 + 6)/6)^6))) \\ &:= 7 + (((((7 + 7) \times (777 + (7 \times 7))) + 7/7) + 7) + 7) \\ &:= ((8 + 8)/8) + (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) \\ &:= ((9 + 9 + 9)/9) + (99 \times (99 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11587 &:= ((111 - 1)^{1+1}) - (1 + ((1 + 1)^{11-1-1})) \\ &:= 22 + (((22 + 2) \times (22^2 - 2)) - (2/2 + 2)) \\ &:= 3 + ((3 \times (3 \times (33 \times ((33 + 3) + 3)))) + 3/3) \\ &:= 4 + (((4^4 \times 44) + ((4^4 - 4)/4)) + 4^4) \\ &:= (((5 \times 5) - 5/5) \times ((5^5 - (55 + 5)/5)) - 5^5) \\ &:= ((6 - 6/6)^6) - ((6 \times (666 + 6)) + 6) \\ &:= 7 + (((7/7 + 7) + 7) \times (((7 + 7)/7) - 7) + 777)) \\ &:= 88/8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) - 8) \\ &:= (((9 \times 9) - 9)/(9 + 9)) + (99 \times (99 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11588 &:= ((111 - 1)^{1+1}) - ((1 + 1)^{11-1-1}) \\ &:= 2 \times ((222 \times (22 + 2 + 2)) + 22) \\ &:= 3 + (((3 \times (3 \times (33 \times ((33 + 3) + 3)))) - 3/3) + 3) \\ &:= 4 + (4 \times (4 \times ((4 \times ((4 \times 44) + 4)) + 4))) \\ &:= ((5 \times 5 - 5) \times (555 + 5 \times 5)) - ((55 + 5)/5) \\ &:= 6/6 + (((6 - 6/6)^6) - ((6 \times (666 + 6)) + 6)) \\ &:= ((7 + 7)/7) \times ((77 \times 77) - (((7 + 7)/7)^7) + 7) \\ &:= (((888 - 8)/8)^{(8+8)/8}) - (8 \times 8 \times 8) \\ &:= ((9 \times 9 + 9)/(9 + 9)) + (99 \times (99 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11589 &:= 1 + (((111 - 1)^{1+1}) - ((1 + 1)^{11-1-1})) \\ &:= 22 + (((22 + 2) \times (22^2 - 2)) - 2/2) \\ &:= 3 + ((3 \times (3 \times (33 \times ((33 + 3) + 3)))) + 3) \\ &:= 4 + ((4 \times (4 \times ((4 \times ((4 \times 44) + 4)) + 4))) + 4/4) \\ &:= ((5 \times 5 - 5) \times (555 + 5 \times 5)) - (55/5) \\ &:= ((6 - 6 \times 6) \times (6 - (6 \times 66))) - (666/6) \\ &:= 7 + (((((7 + 7)/7)^{7+7}) - (7 \times (7 \times (7 \times (7 + 7)))))) \\ &:= ((88/8) \times (((88 \times (88 + 8)) - 8)/8)) - (8 + 8) \\ &:= 9 + ((99 \times (99 + 9 + 9)) - ((9 + 9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11590 &:= (1 + 1) \times (((1 + 11) \times (((11 + 11)^{1+1}) - 1)) - 1) \\ &:= 22 + ((22 + 2) \times (22^2 - 2)) \\ &:= 3 + (((3 \times (3 \times (33 \times ((33 + 3) + 3)))) + 3/3) + 3) \\ &:= ((4^4 - 4) \times (((4 + 4)/4) + 44)) - ((4 + 4)/4) \\ &:= (555 + 55) \times ((5 \times 5) - (5/5 + 5)) \\ &:= 6 + (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) + 6/6) \\ &:= 7 + (((7 \times (7 + 7)) + 7/7) \times (((777 - 7)/7) + 7)) \\ &:= ((88 - 8/8) + 8) \times ((888 + 88)/8) \\ &:= 9 + ((99 \times (99 + 9 + 9)) - ((9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11591 &:= (111^{1+1}) - (1 + ((11 - 1 - 1)^{1+1+1})) \\ &:= ((22 + 2) \times (22^2 - 2/2)) - 2/2 \\ &:= ((3^3 - (3/3 + 3))^3) - (((3 \times 3 + 3)^3)/3) \\ &:= ((4^4 - 4) \times (((4 + 4)/4) + 44)) - 4/4 \\ &:= 5 + (((((5 + 5)/5)^5) + 5) \times ((5^5 + 5)/(5 + 5))) + 5) \\ &:= (66 + 6/6) \times ((6 \times (6 \times 6 - 6)) - (6/6 + 6)) \\ &:= (((7/7 + 7) + 7) \times (777 - 7/7)) - (7 \times 7) \\ &:= 8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) - 8/8) \\ &:= 9 + (99 \times (99 + 9 + 9)) - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11592 &:= (1 + 1) \times ((1 + 11) \times (((11 + 11)^{1+1}) - 1)) \\ &:= (22 + 2) \times (22^2 - 2/2) \\ &:= 3 \times ((3 \times (33 \times ((33 + 3) + 3))) + 3) \\ &:= (4^4 - 4) \times (((4 + 4)/4) + 44) \\ &:= (5 \times 55 + 5/5) \times (((((5 + 5)/5)^5) + 5) + 5) \\ &:= 6 \times ((6 \times (6 \times (66 - (6 + 6)))) - (6 + 6)) \\ &:= (7 + 7) \times (((7 + 7)/7) + 777) + (7 \times 7) \\ &:= 8 + (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) \\ &:= 9 + (99 \times (99 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11593 &:= 1 + ((1 + 1) \times ((1 + 11) \times (((11 + 11)^{1+1}) - 1))) \\ &:= 2/2 + ((22 + 2) \times (22^2 - 2/2)) \\ &:= 3/3 + (3 \times ((3 \times (33 \times ((33 + 3) + 3))) + 3)) \\ &:= 4/4 + ((4^4 - 4) \times (((4 + 4)/4) + 44)) \\ &:= (5 \times 5^5) - (((5 + 5)/5)^5) \times (5 \times 5 \times 5 + 5/5) \\ &:= ((6 - 6/6)^6) - (6 \times (666 + 6)) \\ &:= 7 \times 7 + ((777/7) \times ((777/7) - 7)) \\ &:= 8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) + 8/8) \\ &:= 9 + (99 \times (99 + 9 + 9)) + 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11594 &:= 11111 + (((11 + 11)^{1+1}) - 1) \\ &:= 22 \times (((22 + 2/2)^2) - 2) \\ &:= (33/3) + (3 \times (3 \times (33 \times ((33 + 3) + 3)))) \\ &:= ((4 + 4)/4) + ((4^4 - 4) \times (((4 + 4)/4) + 44)) \\ &:= (55/5) \times (((5 - 5/5)^5) + 5 \times 5) + 5) \\ &:= 6/6 + (((6 - 6/6)^6) - (6 \times (666 + 6))) \\ &:= (7 \times (77 - 7)) + ((7777/7) - 7) \\ &:= (88/8) \times (((88 \times (88 + 8)) - (8 + 8))/8) \\ &:= (99/9) + (99 \times (99 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11595 &:= 11111 + ((11 + 11)^{1+1}) \\ &:= 22^2 + (22222/2) \\ &:= 3 + (3 \times ((3 \times (33 \times ((33 + 3) + 3))) + 3)) \\ &:= 4 + (((4^4 - 4) \times (((4 + 4)/4) + 44)) - 4/4) \\ &:= ((5 \times 5 - 5) \times (555 + 5 \times 5)) - 5 \\ &:= 66 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) \\ &:= ((7/7 + 7) + 7) \times ((777 - (77/7)) + 7) \\ &:= 88/8 + (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) \\ &:= ((99 + 9)/9) + (99 \times (99 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11596 &:= 1 + (11111 + ((11 + 11)^{1+1})) \\ &:= 2 + (22 \times (((22 + 2/2)^2) - 2)) \\ &:= (3 - 3/3) \times (((3 \times (3 + 3))^3) - (3/3 + 33)) \\ &:= 4 + ((4^4 - 4) \times (((4 + 4)/4) + 44)) \\ &:= 5/5 + (((5 \times 5 - 5) \times (555 + 5 \times 5)) - 5) \\ &:= 6 + (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) + 6/6) + 6) \\ &:= 7 + (((7 + 7)/7)^{7+7}) - (7 \times (7 \times (7 \times (7 + 7)))) + 7) \\ &:= (((88 + 8)/8) \times (((88 \times 88) - 8)/8)) - 8 \\ &:= ((99 + 9 + 9)/9) \times ((9 \times 99) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11597 &:= 1 + (1 + (11111 + ((11 + 11)^{1+1}))) \\ &:= 2 + ((22222/2) + 22^2) \\ &:= (3 \times ((3 + 3) \times 3^3)) + (33333/3) \\ &:= 4 + (((4^4 - 4) \times (((4 + 4)/4) + 44)) + 4/4) \\ &:= 5 + ((5 \times 55 + 5/5) \times (((((5 + 5)/5)^5) + 5) + 5)) \\ &:= (6 \times (6 \times (6 \times (66 - (6 + 6)))) - (66 + 6/6)) \\ &:= 77 + (((7 + 7)/7)^7) \times (((77 - 7/7) + 7) + 7) \\ &:= ((88/8) \times (((88 \times (88 + 8)) - 8)/8)) - 8 \\ &:= ((9 + 9) \times (9 + 9 + 9)) + (99999/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11598 &:= 1 + (1 + (1 + (11111 + ((11 + 11)^{1+1})))) \\ &:= 2 + ((22 \times (((22 + 2/2)^2) - 2)) + 2) \\ &:= (3 + 3) \times (((3 \times (3 + 3))^3) - 33)/3) \\ &:= (((4 + 4)/4) + 4) \times (((44 \times 44) - 4) + 4/4) \\ &:= ((5 \times 5 - 5) \times (555 + 5 \times 5)) - ((5 + 5)/5) \\ &:= (6 \times (6 \times (6 \times (66 - (6 + 6)))) - 66) \\ &:= 7777 + ((7 \times ((7 \times 77) + 7)) - 7/7) \\ &:= 8 + (((88 - 8/8) + 8) \times ((888 + 88)/8)) \\ &:= 9 + (((99 \times (99 + 9 + 9)) - ((9 + 9 + 9)/9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11599 &:= 11 + (((111 - 1)^{1+1}) - ((1 + 1)^{11-1-1})) \\ &:= 2 + (((22222/2) + 22^2) + 2) \\ &:= 3/3 + ((3 + 3) \times (((3 \times (3 + 3))^3) - 33)/3) \\ &:= (44 \times (4^4 + 4 + 4)) - ((4 \times 4) + 4/4) \\ &:= ((5 \times 5 - 5) \times (555 + 5 \times 5)) - 5/5 \\ &:= 6 + (((6 - 6/6)^6) - (6 \times (666 + 6))) \\ &:= 7777 + (7 \times ((7 \times 77) + 7)) \\ &:= 8 + (((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) - 8/8) + 8) \\ &:= 9 + (((99 \times (99 + 9 + 9)) - ((9 + 9)/9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 11600 &:= ((11 - 1)^{1+1}) \times (1 + (1 + (1 + (1 + (1 + 111)))))) \\ &:= (22 - 2) \times (((22 + 2/2)^2) + 2) + 2) \\ &:= (3 - 3/3) \times (((3 \times (3 + 3))^3) - 33) + 3/3) \\ &:= (44 \times (4^4 + 4 + 4)) - (4 \times 4) \\ &:= (5 \times 5 - 5) \times (555 + 5 \times 5) \\ &:= (((66 - 6)/6) + 6) \times (((66 \times 66) - 6)/6) \\ &:= 7/7 + ((7 \times ((7 \times 77) + 7)) + 7777) \\ &:= 8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) + 8) \\ &:= 9 + (((99 \times (99 + 9 + 9)) - 9/9) + 9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11601 &:= 1 + (((11 - 1)^{1+1}) \times (1 + (1 + (1 + (1 + (1 + 111)))))) \\
&:= 2/2 + ((22 - 2) \times (((22 + 2)^2) + 2) + 2) \\
&:= 3 \times (((3 + 3) \times ((3 \times ((3 + 3)^3)) - 3)) - 3) \\
&:= 4/4 + ((44 \times (4^4 + 4 + 4)) - 4 \times 4) \\
&:= 5/5 + ((5 \times 5 - 5) \times (555 + 5 \times 5)) \\
&:= 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) + 66 \\
&:= (7 \times (77 - 7)) + (77777/7) \\
&:= (8/8 + 8) \times (((8 + 8) \times (88 - 8)) + 8/8 + 8) \\
&:= 9 + ((99 \times (99 + 9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11602 &:= (((1 + 1) \times (1 + 11))^{1+1+1}) - ((1 + 1) \times 1111) \\
&:= ((2 + 2 + 2) \times (((2 \times 22)^2) - 2)) - 2 \\
&:= 3/3 + (3 \times (((3 + 3) \times ((3 \times ((3 + 3)^3)) - 3)) - 3)) \\
&:= ((4 + 4)/4) + ((44 \times (4^4 + 4 + 4)) - 4 \times 4) \\
&:= ((5 + 5)/5) + ((5 \times 5 - 5) \times (555 + 5 \times 5)) \\
&:= 6 + (((((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) + 6/6)) + 6) + 6 \\
&:= ((7 + 7)/7) \times ((77 \times 77) - (((7 + 7)/7)^7)) \\
&:= (((8 + 8)/8) + 88) \times (8 \times (8 + 8) + 8/8) - 8 \\
&:= 9 + (((99 \times (99 + 9 + 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11603 &:= ((1 + 11) \times (1111 - ((1 + 11)^{1+1})) - 1 \\
&:= (22^2 \times (22 + 2)) - ((22/2) + 2) \\
&:= 3 + ((33 \times (333 + 3)) + ((3 - 3/3)^{3 \times 3})) \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) - ((4 \times 4) + 4/4)) \\
&:= 5 + (((5 \times 5 - 5) \times (555 + 5 \times 5)) - ((5 + 5)/5)) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))) - (66 + 6/6)) \\
&:= ((7 - 77)/7) + ((7 + 7 + 7) \times (((7 \times 77) + 7) + 7)) \\
&:= 8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 88)) + (88/8)) \\
&:= 9 + ((99 \times (99 + 9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11604 &:= (1 + 11) \times (1111 - ((1 + 11)^{1+1})) \\
&:= (2 + 2 + 2) \times (((2 \times 22)^2) - 2) \\
&:= 3 + (3 \times (((3 + 3) \times ((3 \times ((3 + 3)^3)) - 3)) - 3)) \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) - 4 \times 4) \\
&:= 5 + (((5 \times 5 - 5) \times (555 + 5 \times 5)) - 5/5) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))) - 66) \\
&:= ((77 + 7)/7) \times ((77 \times (7 + 7)) - (777/7)) \\
&:= ((88 + 8)/8) \times (((88 \times 88) - 8)/8) \\
&:= 9 + ((99 \times (99 + 9 + 9)) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11605 &:= 11 \times (1111 - ((1 + 11)/(1 + 1))) \\
&:= (22^2 \times (22 + 2)) - (22/2) \\
&:= (33/3) \times ((33 \times 33) - (3/3 + 33)) \\
&:= (44 \times (4^4 + 4 + 4)) - (44/4) \\
&:= 5 + ((5 \times 5 - 5) \times (555 + 5 \times 5)) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (666 + 6))) + 6 \\
&:= 77/7 \times ((7777/7) - (7 \times 7 + 7)) \\
&:= (88/8) \times (((88 \times (88 + 8)) - 8)/8) \\
&:= 9 + (((99 + 9 + 9)/9) \times ((9 \times 99) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11606 &:= 1 + (11 \times (1111 - ((1 + 11)/(1 + 1))) \\
&:= 2 + ((2 + 2 + 2) \times (((2 \times 22)^2) - 2)) \\
&:= (3 \times ((3 + 3) \times ((3 \times ((3 + 3)^3)) - 3))) - (3/3 + 3) \\
&:= ((4 - 44)/4) + (44 \times (4^4 + 4 + 4)) \\
&:= 5 + (((5 \times 5 - 5) \times (555 + 5 \times 5)) + 5/5) \\
&:= 6 + (((66 - 6)/6) + 6) \times (((66 \times 66) - 6)/6) \\
&:= (777 \times ((7/7 + 7) + 7)) - (7 \times 7) \\
&:= 8/8 + ((88/8) \times (((88 \times (88 + 8)) - 8)/8)) \\
&:= 9 + ((99999/9) + ((9 + 9) \times (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11607 &:= 1 + (1 + (11 \times (1111 - ((1 + 11)/(1 + 1)))) \\
&:= 2 + ((22^2 \times (22 + 2)) - (22/2)) \\
&:= (3 \times ((3 + 3) \times ((3 \times ((3 + 3)^3)) - 3))) - 3 \\
&:= (44 \times (4^4 + 4 + 4)) - ((4/4 + 4) + 4) \\
&:= 5 + (((5 \times 5 - 5) \times (555 + 5 \times 5)) + ((5 + 5)/5)) \\
&:= 6 + (((((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) + 66) + 6) \\
&:= 7/7 + ((777 \times ((7/7 + 7) + 7)) - (7 \times 7)) \\
&:= 88 + (((8 + 8) \times (((8 \times 88) + 8) + 8)) - 8/8) \\
&:= (9 \times (9 \times 9)) + ((99 - 9/9) \times (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11608 &:= ((1 + 1)^{1+1+1}) \times ((11 \times (11 \times (1 + 11))) - 1) \\
&:= 2 \times (2 \times ((22^2 \times (2 + 2 + 2)) - 2)) \\
&:= 3/3 + ((3 \times ((3 + 3) \times ((3 \times ((3 + 3)^3)) - 3))) - 3) \\
&:= (44 \times (4^4 + 4 + 4)) - (4 + 4) \\
&:= (5 - 5/5) \times ((5 \times (555 + 5 \times 5)) + ((5 + 5)/5)) \\
&:= ((6 + 6)/6 + 6) \times (((66 \times (66 + 66)) - 6)/6) \\
&:= 7 + ((77777/7) + (7 \times (77 - 7))) \\
&:= 88 + ((8 + 8) \times (((8 \times 88) + 8) + 8)) \\
&:= (9 - 9/9) \times (((9 \times (9 \times (9 + 9))) - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11609 &:= 1 + (((1 + 1)^{1+1+1}) \times ((11 \times (11 \times (1 + 11))) - 1)) \\
&:= 2 + (((22^2 \times (22 + 2)) - (22/2)) + 2) \\
&:= (3 \times ((3 + 3) \times ((3 \times ((3 + 3)^3)) - 3))) - 3/3 \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) - 44/4) \\
&:= 5 + (((5 \times 5 - 5) \times (555 + 5 \times 5)) - 5/5) + 5 \\
&:= ((66 - (6 + 6)) \times ((6 \times 6 \times 6) - 6/6)) - 6/6 \\
&:= 7 + (((7 + 7)/7) \times ((77 \times 77) - (((7 + 7)/7)^7))) \\
&:= 8/8 + (((8 + 8) \times (((8 \times 88) + 8) + 8)) + 88) \\
&:= ((9/9 + 9) + 9) \times (((9 + 9)/9)^9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11610 &:= (1 + 1) \times ((1 + 1 + 1) \times (((1 + 1)^{11}) - (1 + (1 + 11)))) \\
&:= (2/2 + 2) \times ((2 \times ((2 \times 22)^2) - 2) \\
&:= 3 \times ((3 + 3) \times ((3 \times ((3 + 3)^3)) - 3)) \\
&:= (44 + 4/4) \times ((4 + 4)/4 + 4^4) \\
&:= 5 + (((5 \times 5 - 5) \times (555 + 5 \times 5)) + 5) \\
&:= (66 - (6 + 6)) \times ((6 \times 6 \times 6) - 6/6) \\
&:= ((7/7 + 7) + 7) \times (777 - ((7 + 7 + 7)/7)) \\
&:= (((8 + 8)/8) + 88) \times (8 \times (8 + 8) + 8/8) \\
&:= 9 + (((99 \times (99 + 9 + 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11611 &:= 11111 + (((11-1)^{1+1+1})/(1+1)) \\
&:= (22^2 \times (22+2)) - (2/2+2+2) \\
&:= 3/3 + (3 \times ((3+3) \times ((3 \times ((3+3)^3) - 3))) \\
&:= (44 \times (4^4 + 4+4)) - (4/4+4) \\
&:= 555 + ((55555/5) - 55) \\
&:= 6/6 + ((66 - (6+6)) \times ((6 \times 6 \times 6) - 6/6)) \\
&:= ((7+7+7) \times (((7 \times 77) + 7) + 7)) - ((7+7)/7) \\
&:= 8/8 + (((8+8)/8) + 88) \times (8 \times (8+8) + 8/8) \\
&:= 9 + (((99 \times (99+9+9)) + 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11612 &:= (1+1) \times (((1+11) \times ((11+11)^{1+1})) - (1+1)) \\
&:= (22^2 \times (22+2)) - (2+2) \\
&:= 3 + ((3 \times ((3+3) \times ((3 \times ((3+3)^3) - 3))) - 3/3) \\
&:= (44 \times (4^4 + 4+4)) - 4 \\
&:= (5 - 5/5) \times (((5 - 5555)/5 \times 5) + 5^5) \\
&:= ((6+6)/6) + ((66 - (6+6)) \times ((6 \times 6 \times 6) - 6/6)) \\
&:= ((7+7+7) \times (((7 \times 77) + 7) + 7)) - 7/7 \\
&:= 8 + (((88+8)/8) \times (((88 \times 88) - 8)/8)) \\
&:= 9 + (((99 \times (99+9+9)) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11613 &:= ((1+1) \times (((1+11) \times ((11+11)^{1+1}) - 1)) - 1) \\
&:= (22^2 \times (22+2)) - (2/2+2) \\
&:= 3 + (3 \times ((3+3) \times ((3 \times ((3+3)^3) - 3))) \\
&:= 4/4 + ((44 \times (4^4 + 4+4)) - 4) \\
&:= ((55/5+5) + 5) \times (555 - ((5+5)/5)) \\
&:= (6/6+6) \times (((666 \times (6 \times 6 - 6))/6) + 6) - 6) \\
&:= (7+7+7) \times (((7 \times 77) + 7) + 7) \\
&:= 8 + ((88/8) \times (((88 \times (88+8)) - 8)/8)) \\
&:= (999/9) + ((9+9) \times ((9 \times (9 \times 9) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11614 &:= (1+1) \times (((1+11) \times ((11+11)^{1+1}) - 1) \\
&:= (22^2 \times (22+2)) - 2 \\
&:= 3 + ((3 \times ((3+3) \times ((3 \times ((3+3)^3) - 3))) + 3/3) \\
&:= (44 \times (4^4 + 4+4)) - ((4+4)/4) \\
&:= (5^5/5) + (55/5 \times (((5 - 5/5)^5) - (5 \times 5))) \\
&:= (66 \times (((666 - 6)/6) + 66)) - ((6+6)/6) \\
&:= 7/7 + ((7+7+7) \times (((7 \times 77) + 7) + 7)) \\
&:= (8 \times 8 \times 8) + ((88888/8) - (8/8+8)) \\
&:= (((9+9)/9)^9) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11615 &:= ((1+1) \times ((1+11) \times ((11+11)^{1+1}))) - 1 \\
&:= (22^2 \times (22+2)) - 2/2 \\
&:= (33 \times (((3/3+3+3)^3) + 3 \times 3) - 3/3) \\
&:= (44 \times (4^4 + 4+4)) - 4/4 \\
&:= 5 \times (((5+5)/5)^{55/5} + (5 \times 55)) \\
&:= ((6+6) \times (6 \times 6+6)) + (66666/6) \\
&:= ((7+7)/7) + ((7+7+7) \times (((7 \times 77) + 7) + 7)) \\
&:= (8 \times 8 \times 8) + ((88888/8) - 8) \\
&:= (((9+9)/9) + 99) \times (((99 - ((9+9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11616 &:= (1+1) \times ((1+11) \times ((11+11)^{1+1})) \\
&:= 22^2 \times (22+2) \\
&:= 33 \times (((3/3+3+3)^3) + 3 \times 3) \\
&:= 44 \times (4^4 + 4+4) \\
&:= (55/5) \times ((5555/5) - 55) \\
&:= 66 \times (((666 - 6)/6) + 66) \\
&:= (((7/7+7) + 7) + 7) \times ((7 \times 77) - (77/7)) \\
&:= 88 \times ((88/((8+8)/8)) + 88) \\
&:= 9 + (((99 - 9/9) \times (999/9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11617 &:= 1 + ((1+1) \times ((1+11) \times ((11+11)^{1+1}))) \\
&:= 2/2 + (22^2 \times (22+2)) \\
&:= 3/3 + (33 \times (((3/3+3+3)^3) + 3 \times 3)) \\
&:= 4/4 + (44 \times (4^4 + 4+4)) \\
&:= 5/5 + (55/5 \times ((5555/5) - 55)) \\
&:= ((6 - 6/6)^6) - (((6 \times 666) + 6) + 6) \\
&:= 7 + (((7/7+7) + 7) \times (777 - ((7+7+7)/7))) \\
&:= ((888/8)^{(8+8)/8}) - (8 \times 88) \\
&:= 9 + ((9 - 9/9) \times (((9 \times (9 \times (9+9))) - 9) + ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11618 &:= (1+1) \times (1 + ((1+11) \times ((11+11)^{1+1}))) \\
&:= 2 + (22^2 \times (22+2)) \\
&:= (3^{3+3}) + ((33 \times (333 - 3)) - 3/3) \\
&:= ((4+4)/4) + (44 \times (4^4 + 4+4)) \\
&:= 5 + (((55/5+5) + 5) \times (555 - ((5+5)/5))) \\
&:= ((6 - 6/6)^6) - ((6 \times 666) + (66/6)) \\
&:= (((7/7+7) + 7) \times (777 - ((7+7)/7))) - 7 \\
&:= 8 + (((8+8)/8) + 88) \times (8 \times (8+8) + 8/8) \\
&:= 9 + (((9/9+9) + 9) \times (((9+9)/9)^9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11619 &:= 1 + ((1+1) \times (1 + ((1+11) \times ((11+11)^{1+1})))) \\
&:= 2 + ((22^2 \times (22+2)) + 2/2) \\
&:= 3 \times (((3+3) \times ((3 \times ((3+3)^3) - 3)) + 3) \\
&:= 4 + ((44 \times (4^4 + 4+4)) - 4/4) \\
&:= ((5 - 5/5) + 5) \times (((5/5+5)^{5-5/5}) - 5) \\
&:= ((666/6) \times (666/6 - 6)) - (6 \times 6) \\
&:= 7 + (((7+7+7) \times (((7 \times 77) + 7) + 7)) - 7/7) \\
&:= (8/8+8) \times (((8+8) \times (88 - 8)) + (88/8)) \\
&:= 9999 + (9 \times (99 + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11620 &:= (1+1) \times (1 + (1 + ((1+11) \times ((11+11)^{1+1})))) \\
&:= 2 + ((22^2 \times (22+2)) + 2) \\
&:= ((33 - 3/3) + 3) \times (333 - 3/3) \\
&:= 4 + (44 \times (4^4 + 4+4)) \\
&:= (5 - 5/5) \times ((5 \times (555 + 5 \times 5)) + 5) \\
&:= ((6 \times 6) - 6/6) \times ((6 \times 66) - (((6+6)/6)^6)) \\
&:= 7 + (((7+7+7) \times (((7 \times 77) + 7) + 7)) \\
&:= (((88+8)/8) \times (((88 \times 88) + 8)/8)) - 8 \\
&:= 9/9 + ((9 \times (99 + (9 \times 9))) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11621 &:= 11111 + (((1+1)^{11-1-1}) - (1+1)) \\
&:= 2 + (((22^2 \times (22+2)) + 2/2) + 2) \\
&:= (33/3) + (3 \times ((3+3) \times ((3 \times ((3+3)^3)) - 3))) \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) + 4/4) \\
&:= 5 + (55/5 \times ((5555/5) - 55)) \\
&:= (6 \times ((6 \times (6 \times (66 - (6+6)))) - 6)) - (6/6 + 6) \\
&:= 7 + (((7+7+7) \times (((7 \times 77) + 7) + 7)) + 7/7) \\
&:= 8 + (((88/8) \times (((88 \times (88+8)) - 8)/8)) + 8) \\
&:= 9 + (((99 \times (99+9+9)) + (99/9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11622 &:= (1+1) \times ((1+1+1) \times (((1+1)^{11}) - 11)) \\
&:= 2 + (((22^2 \times (22+2)) + 2) + 2) \\
&:= 3 + ((33 \times (333-3)) + (3^{3+3})) \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) + ((4+4)/4)) \\
&:= (55/5 \times (((5555+5)/5) - 55)) - 5 \\
&:= (6 \times ((6 \times (6 \times (66 - (6+6)))) - 6)) - 6 \\
&:= (7/7 + 77) \times ((((((7+7)/7)^7) + 7) + 7) + 7) \\
&:= (8 \times 8 \times 8) + ((88888/8) - 8/8) \\
&:= 9 + (((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11623 &:= 11111 + ((1+1)^{11-1-1}) \\
&:= 2 + (((22^2 \times (22+2)) + 2/2) + 2) + 2 \\
&:= 3 + (((33-3/3) + 3) \times (333-3/3)) \\
&:= 4 + (((44 \times (4^4 + 4 + 4)) - 4/4) + 4) \\
&:= (((55+5)/5) \times (((5-5/5)^5) - 55)) - 5 \\
&:= ((6-6/6)^6) - ((6 \times 666) + 6) \\
&:= 7 + (((7/7+7) + 7) + 7) \times ((7 \times 77) - (77/7)) \\
&:= (8 \times 8 \times 8) + (88888/8) \\
&:= (((9+9)/9)^9) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11624 &:= 1 + (11111 + ((1+1)^{11-1-1})) \\
&:= 2 \times (2 \times ((22^2 \times (2+2+2)) + 2)) \\
&:= ((3^3 - 3)^3) - (((((3 \times 3) + 3/3) + 3)^3) + 3) \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) + 4) \\
&:= ((5^5 - 5)/5) + ((5+5) \times (55 \times (5 \times 5 - 5))) \\
&:= 6/6 + (((6-6/6)^6) - ((6 \times 666) + 6)) \\
&:= (77/7) + ((7+7+7) \times (((7 \times 77) + 7) + 7)) \\
&:= 8 + (88 \times ((88/(8+8)/8) + 88)) \\
&:= 9/9 + ((99999/9) + (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11625 &:= 1 + (1 + (11111 + ((1+1)^{11-1-1}))) \\
&:= (22/2) + ((22^2 \times (22+2)) - 2) \\
&:= ((3^3 - 3)^3) - ((3 \times ((3^3+3)) + 3) + 3) \\
&:= 4 + (((44 \times (4^4 + 4 + 4)) + 4/4) + 4) \\
&:= 5 \times (5^5 - (5 \times (5 \times (((5+5)/5)^5)))) \\
&:= 6 + (((666/6) \times (666/6 - 6)) - (6 \times 6)) \\
&:= ((7/7+7) + 7) \times (777 - ((7+7)/7)) \\
&:= 8 + (((888/8)^{(8+8)/8}) - (8 \times 88)) \\
&:= (9 \times ((9+9) \times ((9 \times 9) - 9) + 9)) - ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11626 &:= (11 \times ((11 \times (1+1+1)) + ((1+1)^{11-1}))) - 1 \\
&:= ((2+2+2) \times (((2 \times 22)^2) + 2)) - 2 \\
&:= ((3^3 - 3)^3) - ((3 \times (3^{3+3})) + (33/3)) \\
&:= ((44-4)/4) + (44 \times (4^4 + 4 + 4)) \\
&:= 5/5 + (5 \times (5^5 - (5 \times (5 \times (((5+5)/5)^5)))) \\
&:= (6 \times ((6 \times (6 \times (66 - (6+6)))) - 6)) - ((6+6)/6) \\
&:= (((7/7+7) + 7) \times (777 - 7/7)) - (7+7) \\
&:= 8 + (((((8+8)/8) + 88) \times (8 \times (8+8) + 8/8)) + 8) \\
&:= ((9+9)/9) \times ((9 \times (9 \times ((9 \times 9) - 9))) - ((9/9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11627 &:= 11 \times ((11 \times (1+1+1)) + ((1+1)^{11-1})) \\
&:= (22/2) + (22^2 \times (22+2)) \\
&:= ((3^3 - 3)^3) - (((3 \times 3) + 3/3) + 3)^3 \\
&:= (44/4) + (44 \times (4^4 + 4 + 4)) \\
&:= (55/5) \times (((5555+5)/5) - 55) \\
&:= (6 \times ((6 \times (6 \times (66 - (6+6)))) - 6)) - 6/6 \\
&:= 7 + (((7+7+7) \times (((7 \times 77) + 7) + 7)) + 7) \\
&:= (88/8) \times (((88 \times (88+8)) + 8)/8) \\
&:= ((9+9) \times ((9 \times ((9 \times 9) - 9)) - ((9+9)/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11628 &:= (1+11) \times (1 + ((1+1) \times ((11+11)^{1+1}))) \\
&:= (2+2+2) \times (((2 \times 22)^2) + 2) \\
&:= 3 \times ((3 \times (((3+3)^{3/3+3}) - 3)) - 3) \\
&:= 4 + (((44 \times (4^4 + 4 + 4)) + 4) + 4) \\
&:= ((55+5)/5) \times (((5-5/5)^5) - 55) \\
&:= 6 \times ((6 \times (6 \times (66 - (6+6)))) - 6) \\
&:= (7/7 - 77) \times (7/7 - (77/77)) \\
&:= ((88+8)/8) \times (((88 \times 88) + 8)/8) \\
&:= (9+9) \times ((9 \times ((9 \times 9) - 9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11629 &:= 1 + ((1+11) \times (1 + ((1+1) \times ((11+11)^{1+1})))) \\
&:= 2 + ((22^2 \times (22+2)) + (22/2)) \\
&:= 3/3 + (3 \times ((3 \times (((3+3)^{3/3+3}) - 3)) - 3)) \\
&:= 4 + (((44 \times (4^4 + 4 + 4)) + 4/4) + 4) + 4 \\
&:= (((55/5+5) + 5) \times (555 - 5/5)) - 5 \\
&:= ((6-6/6)^6) - (6 \times 666) \\
&:= 7 + ((7/7+77) \times ((((((7+7)/7)^7) + 7) + 7) + 7)) \\
&:= 8/8 + (((88+8)/8) \times (((88 \times 88) + 8)/8)) \\
&:= 9/9 + ((9+9) \times ((9 \times ((9 \times 9) - 9)) - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11630 &:= 1 + (1 + ((1+11) \times (1 + ((1+1) \times ((11+11)^{1+1})))))) \\
&:= 2 + ((2+2+2) \times (((2 \times 22)^2) + 2)) \\
&:= 3 + (((3^3 - 3)^3) - (((3 \times 3) + 3/3) + 3)^3) \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) + ((44-4)/4)) \\
&:= 5 + (5 \times (5^5 - (5 \times (5 \times (((5+5)/5)^5)))) \\
&:= 6/6 + (((6-6/6)^6) - (6 \times 666)) \\
&:= 77 + (((7+7) \times (777 + (7 \times 7))) - (77/7)) \\
&:= 8 + (((88888/8) - 8/8) + (8 \times 8 \times 8)) \\
&:= (9 \times (9 \times 9)) + ((99/9) \times ((999-9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11631 &:= ((111 - (1 + 1 + 1))^{1+1}) - (11 \times (1 + 1 + 1)) \\
&:= 2 + (((22^2 \times (22 + 2)) + (22/2)) + 2) \\
&:= (3 \times (3 \times ((3 + 3)^{3/3+3})) - 33 \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) + 44/4) \\
&:= 5 + ((5 \times (5^5 - (5 \times (5 \times (((5 + 5)/5)^5)))) + 5/5) \\
&:= ((6 + 6)/6) + (((6 - 6/6)^6) - (6 \times 666)) \\
&:= (((7 + 7)/7)^{7+7}) + (7 \times (7 - (7 \times (7 \times (7 + 7)))))) \\
&:= 8 + ((88888/8) + (8 \times 8 \times 8)) \\
&:= ((99 - ((9 + 9)/9)) \times ((999/9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11632 &:= 1 + (((111 - (1 + 1 + 1))^{1+1}) - (11 \times (1 + 1 + 1))) \\
&:= (2^{2+2}) + (22^2 \times (22 + 2)) \\
&:= 3/3 + ((3 \times (3 \times ((3 + 3)^{3/3+3})) - 33) \\
&:= 4 \times 4 + (44 \times (4^4 + 4 + 4)) \\
&:= 5 + (55/5 \times (((5555 + 5)/5) - 55)) \\
&:= (((66 - 6)/6) + 6) \times (((66 \times 66) + 6)/6) \\
&:= 7 + (((7/7 + 7) + 7) \times (777 - ((7 + 7)/7))) \\
&:= 88 + (888 \times ((88 + 8 + 8)/8)) \\
&:= 9 + ((99999/9) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11633 &:= 11 + ((1 + 1) \times ((1 + 1 + 1) \times (((1 + 1)^{11}) - 111))) \\
&:= 2/2 + ((22^2 \times (22 + 2)) + (2^{2+2})) \\
&:= ((3^3 - 3)^3) - (((3 \times (3^{3+3})) + 3/3) + 3) \\
&:= 4 \times 4 + ((44 \times (4^4 + 4 + 4)) + 4/4) \\
&:= 5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - 55)) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - (6 + 6)))) - 6)) - 6/6) \\
&:= (((7/7 + 7) + 7) \times (777 - 7/7)) - 7 \\
&:= 8 + (((888/8)^{(8+8)/8}) - (8 \times 88)) + 8 \\
&:= (99 \times (99 + 9 + 9)) + (((9 \times 99) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11634 &:= 11 + (11111 + ((1 + 1)^{11-1-1})) \\
&:= (22 \times ((22 + 2/2)^2)) - (2 + 2) \\
&:= ((3^3 - 3)^3) - ((3 \times (3^{3+3})) + 3) \\
&:= 4 \times 4 + ((44 \times (4^4 + 4 + 4)) + ((4 + 4)/4)) \\
&:= ((55/5 + 5) + 5) \times (555 - 5/5) \\
&:= 6 + (6 \times ((6 \times (6 \times (66 - (6 + 6)))) - 6)) \\
&:= 77 + (((7 + 7) \times (777 + (7 \times 7))) - 7) \\
&:= 8 \times 8 + ((8/8 + 88) \times (8 \times (8 + 8) + ((8 + 8)/8))) \\
&:= (9 \times (((9 + 9) \times ((9 \times 9) - 9)) + 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11635 &:= ((1 + 1) \times ((11 \times ((1 + 11 + 11)^{1+1}) - 1)) - 1) \\
&:= (22 \times ((22 + 2/2)^2)) - (2/2 + 2) \\
&:= 3/3 + (((3^3 - 3)^3) - ((3 \times (3^{3+3})) + 3)) \\
&:= ((4^4 + 4)/4) \times (((4 \times 44) - 4/4) + 4) \\
&:= 5 + ((5 \times (5^5 - (5 \times (5 \times (((5 + 5)/5)^5)))) + 5) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times 666)) \\
&:= 7 + ((7/7 - 77) \times (7/7 - (77 + 77))) \\
&:= 8 + ((88/8) \times (((88 \times (88 + 8)) + 8)/8)) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - ((99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11636 &:= (1 + 1) \times ((11 \times ((1 + 11 + 11)^{1+1}) - 1) \\
&:= (22 \times ((22 + 2/2)^2)) - 2 \\
&:= ((3^3 - 3)^3) - ((3 \times (3^{3+3})) + 3/3) \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) + 4 \times 4) \\
&:= 55 + (((((5 + 5)/5)^5) + 5) \times ((5^5 + 5)/(5 + 5))) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times 666)) + 6/6) \\
&:= (7 \times 77) + ((77777/7) - (7 + 7)) \\
&:= 8 + (((88 + 8)/8) \times (((88 \times 88) + 8)/8)) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - (((9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11637 &:= ((1 + 1) \times (11 \times ((1 + 11 + 11)^{1+1}))) - 1 \\
&:= (22 \times ((22 + 2/2)^2)) - 2/2 \\
&:= 3 \times (3 \times (((3 + 3)^{3/3+3}) - 3)) \\
&:= 4 + (((44 \times (4^4 + 4 + 4)) + 4 \times 4) + 4/4) \\
&:= 5^5 + (((555 + 5^5)/5) + ((5/5 + 5)^5)) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times 666)) + ((6 + 6)/6) \\
&:= (777 \times ((7/7 + 7) + 7)) - (77/7 + 7) \\
&:= ((8 + 8) \times (((8 \times 88) + 8) + 8) + 8) - (88/8) \\
&:= (9 + 9 + 9) \times (((9 + 9)/9)^9) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11638 &:= (1 + 1) \times (11 \times ((1 + 11 + 11)^{1+1})) \\
&:= 22 \times ((22 + 2/2)^2) \\
&:= 3/3 + (3 \times (3 \times (((3 + 3)^{3/3+3}) - 3))) \\
&:= (((4 + 4)/4) + 44) \times ((4/4 - 4) + 4^4) \\
&:= 5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - 55)) + 5) \\
&:= 6 + (((66 - 6)/6) + 6) \times (((66 \times 66) + 6)/6) \\
&:= 7 + ((7 \times (7 - (7 \times (7 \times (7 + 7)))))) + (((7 + 7)/7)^{7+7})) \\
&:= (88/8) \times (((88 \times (88 + 8)) + 8) + 8)/8) \\
&:= 9/9 + ((9 + 9 + 9) \times (((9 + 9)/9)^9) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11639 &:= 1 + ((1 + 1) \times (11 \times ((1 + 11 + 11)^{1+1}))) \\
&:= 2/2 + (22 \times ((22 + 2/2)^2)) \\
&:= 3 + (((3^3 - 3)^3) - ((3 \times (3^{3+3})) + 3/3)) \\
&:= 4 + (((4^4 + 4)/4) \times (((4 \times 44) - 4/4) + 4)) \\
&:= 5 + (((55/5 + 5) + 5) \times (555 - 5/5)) \\
&:= (66/6) + (6 \times ((6 \times (6 \times (66 - (6 + 6)))) - 6)) \\
&:= (((7/7 + 7) + 7) \times (777 - 7/7)) - 7/7 \\
&:= 8 + (((88888/8) + (8 \times 8 \times 8)) + 8) \\
&:= ((9 - 9/9) \times ((9 \times (9 \times (9 + 9))) - ((9 + 9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11640 &:= (1 + 1) \times (1 + (11 \times ((1 + 11 + 11)^{1+1}))) \\
&:= 2 + (22 \times ((22 + 2/2)^2)) \\
&:= 3 + (3 \times (3 \times (((3 + 3)^{3/3+3}) - 3))) \\
&:= (((4 + 4)/4) + 4) \times ((44 \times 44) + 4) \\
&:= 5 \times (((((5 + 5)/5)^{55/5}) + (5 \times 55)) + 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - (6 + 6)))) - 6)) + 6) \\
&:= ((7/7 + 7) + 7) \times (777 - 7/7) \\
&:= ((8 - 8/8) + 8) \times ((8 \times (88 + 8)) + 8) \\
&:= (99 - ((9 + 9)/9)) \times ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11641 &:= 1 + ((1 + 1) \times (1 + (11 \times ((1 + 11 + 11)^{1+1})))) \\
&:= 2 + ((22 \times ((22 + 2/2)^2)) + 2/2) \\
&:= 3 + ((3 \times (3 \times (((3 + 3)^{3/3+3}) - 3))) + 3/3) \\
&:= 4/4 + (((4 + 4)/4) + 4) \times ((44 \times 44) + 4) \\
&:= (5 \times 5 \times 5) + (((55/5)^{5-5/5}) - 5^5) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times 666)) + 6) \\
&:= 77 + ((7 + 7) \times (777 + (7 \times 7))) \\
&:= 8/8 + (((8 - 8/8) + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= 9 + (((99999/9) + (((9 + 9)/9)^9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11642 &:= ((111 - (1 + 1 + 1))^{1+1}) - (11 + 11) \\
&:= 2 + ((22 \times ((22 + 2/2)^2)) + 2) \\
&:= (3 - 3/3) \times (((3 \times (3 + 3))^3) - 33/3) \\
&:= 4 + (((4 + 4)/4) + 44) \times ((4/4 - 4) + 4^4) \\
&:= (((5 \times 5) - (5/5 + 5)) \times ((5^5 - (55 + 5))/5)) - 5 \\
&:= 6 + (((6 - 6/6)^6) - (6 \times 666)) + 6/6 + 6) \\
&:= 7/7 + (((7 + 7) \times (777 + (7 \times 7))) + 77) \\
&:= ((8 + 8)/8) + (((8 - 8/8) + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times ((9 \times 9) - 9))) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11643 &:= 1 + (((111 - (1 + 1 + 1))^{1+1}) - (11 + 11)) \\
&:= 2 + (((22 \times ((22 + 2/2)^2)) + 2/2) + 2) \\
&:= ((3 + 3) \times (3 \times (3 \times ((3 + 3)^3))) - 3) - 3 \\
&:= 4 \times 4 + ((44 \times (4^4 + 4 + 4)) + 44/4) \\
&:= ((55 + 5/5) \times ((5^5 - 5)/5 + 5 + 5)) - 5 \\
&:= ((666/6) \times (666/6 - 6)) - (6 + 6) \\
&:= (7 \times 77) + ((77777/7) - 7) \\
&:= 8 + (((88/8) \times (((88 \times (88 + 8)) + 8)/8)) + 8) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11644 &:= ((111 - (1 + 1 + 1))^{1+1}) - ((1 + 1) \times (11 - 1)) \\
&:= 2 + (((22 \times ((22 + 2/2)^2)) + 2) + 2) \\
&:= 3/3 + (((3 + 3) \times ((3 \times (3 \times ((3 + 3)^3))) - 3)) - 3) \\
&:= 4 + (((4 + 4)/4) + 4) \times ((44 \times 44) + 4) \\
&:= (5 - 5/5) \times (((55 - 5/5)^{(5+5)/5}) - 5) \\
&:= ((666/6) \times (666/6 - 6)) - (66/6) \\
&:= (777 \times ((7/7 + 7) + 7)) - (77/7) \\
&:= 8 + (((88 + 8)/8) \times (((88 \times 88) + 8)/8)) + 8) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11645 &:= (111^{1+1}) - (((1 + 1) \times (1 + 1 + 11))^{1+1}) \\
&:= ((222/2)^2) - ((22 + 2 + 2)^2) \\
&:= ((3 + 3) \times (3 \times (3 \times ((3 + 3)^3))) - 3) - 3/3 \\
&:= 444 + (((4 - 4^4)/4) + (4^4 \times 44)) \\
&:= 5^5 + ((55 \times ((5 \times (5 \times 5 + 5)) + 5)) - 5) \\
&:= (6 - 6/6) \times ((6 \times ((6 \times 66) - 6)) - (66/6)) \\
&:= ((7 - 77)/7) + (777 \times ((7/7 + 7) + 7)) \\
&:= (8/8 + 8 + 8) \times ((8 \times 88) - ((88/8) + 8)) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - ((9/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11646 &:= 1 + ((111^{1+1}) - (((1 + 1) \times (1 + 1 + 11))^{1+1})) \\
&:= (2 \times (2 + 2)) + (22 \times ((22 + 2/2)^2)) \\
&:= (3 + 3) \times ((3 \times (3 \times ((3 + 3)^3))) - 3) \\
&:= (((4 + 4)/4) + 4) \times (((44 \times 44) + 4/4) + 4) \\
&:= 5 + (((55/5)^{5-5/5}) - 5^5) + 5 \times 5 \times 5) \\
&:= (6 + 6 + 6) \times ((6 \times (6 \times (6 + 6 + 6))) - 6/6) \\
&:= (777 \times ((7/7 + 7) + 7)) - ((7 + 7)/7 + 7) \\
&:= ((8 + 8) \times (((8 \times 88) + 8) + 8)) - ((8 + 8)/8) \\
&:= (9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11647 &:= ((1 + (1 + 111))^{1+1}) - (11 + 1111) \\
&:= 2 + (((222/2)^2) - ((22 + 2 + 2)^2)) \\
&:= 3/3 + ((3 + 3) \times ((3 \times (3 \times ((3 + 3)^3))) - 3)) \\
&:= (4 \times (4 + 4)) + ((44 \times (4^4 + 4 + 4)) - 4/4) \\
&:= ((5 \times 5) - (5/5 + 5)) \times ((5^5 - (55 + 5))/5) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times 666)) + 6 + 6) \\
&:= 7 + (((7/7 + 7) + 7) \times (777 - 7/7)) \\
&:= ((8 + 8) \times (((8 \times 88) + 8) + 8)) - 8/8 \\
&:= 9/9 + ((9 + 9) \times ((9 \times (9 \times 9) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11648 &:= (1 + 1) \times (((1 + 1)^{1+1+1}) + ((1 + 11)^{1+1+1})) \\
&:= 2 \times ((22 + 2 + 2) \times (222 + 2)) \\
&:= (33 - 3/3) \times (((33 \times 33) + 3)/3) \\
&:= 4 \times (4 \times (((4 \times ((4 \times 44) + 4)) + 4) + 4)) \\
&:= (55 + 5/5) \times ((5^5 - 5)/5 + 5 + 5) \\
&:= (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) + ((6 + 6)/6)) \\
&:= (((7 + 7)/7)^7) \times ((77 + 7) + 7) \\
&:= (8 + 8) \times (((8 \times 88) + 8) + 8) + 8) \\
&:= (9 - 9/9) \times ((9 \times (9 \times (9 + 9))) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11649 &:= 11 \times (1 + ((1 + 1) \times ((1 + 11 + 11)^{1+1}))) \\
&:= (22/2) + (22 \times ((22 + 2/2)^2)) \\
&:= 3 + ((3 + 3) \times ((3 \times (3 \times ((3 + 3)^3))) - 3)) \\
&:= ((44/4)^4) - (44 \times ((4 \times (4 \times 4)) + 4)) \\
&:= 5^5 + ((55 \times ((5 \times (5 \times 5 + 5)) + 5)) - 5/5) \\
&:= ((666/6) \times (666/6 - 6)) - 6 \\
&:= 7/7 + (((7 + 7)/7)^7) \times ((77 + 7) + 7) \\
&:= 8/8 + ((8 + 8) \times (((8 \times 88) + 8) + 8) + 8)) \\
&:= 9 + ((99 - ((9 + 9)/9)) \times ((999/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11650 &:= 1 + (11 \times (1 + ((1 + 1) \times ((1 + 11 + 11)^{1+1})))) \\
&:= 2 + (2 \times ((22 + 2 + 2) \times (222 + 2))) \\
&:= 3 + (((3 + 3) \times ((3 \times (3 \times ((3 + 3)^3))) - 3)) + 3/3) \\
&:= 4 + (((4 + 4)/4) + 4) \times (((44 \times 44) + 4/4) + 4) \\
&:= 5^5 + (55 \times ((5 \times (5 \times 5 + 5)) + 5)) \\
&:= 66 + (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) + 6/6) \\
&:= (7 \times 77) + (77777/7) \\
&:= ((8 + 8)/8) + ((8 + 8) \times (((8 \times 88) + 8) + 8) + 8)) \\
&:= ((9 + 9)/9) \times (((9 \times (9 \times ((9 \times 9) - 9))) - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11651 &:= ((111 - (1 + 1 + 1))^{1+1}) - (1 + 1 + 11) \\
&:= 2 + ((22 \times ((22 + 2/2)^2)) + (22/2)) \\
&:= 3 + ((33 - 3/3) \times (((33 \times 33) + 3)/3)) \\
&:= ((44 + 4/4) \times ((4^4 - 4/4) + 4)) - 4 \\
&:= 5^5 + ((55 \times ((5 \times (5 \times 5 + 5)) + 5)) + 5/5) \\
&:= (6 \times (6 \times (6 \times (66 - (6 + 6)))) - (6/6 + 6 + 6)) \\
&:= 7 + ((777 \times ((7/7 + 7) + 7)) - (77/7)) \\
&:= 88/8 + (((8 - 8/8) + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11652 &:= ((111 - (1 + 1 + 1))^{1+1}) - 11 - 1 \\
&:= 2 \times (((22 + 2 + 2) \times (222 + 2)) + 2) \\
&:= (3 + 3) \times (((3 \times (3 + 3))^3) - (3 + 3))/3 \\
&:= 4^4 + (44 \times ((4^4 - 4/4) + 4)) \\
&:= 5 + (((5 \times 5) - (5/5 + 5)) \times ((5^5 - (55 + 5))/5)) \\
&:= (6 \times (6 \times (6 \times (66 - (6 + 6)))) - (6 + 6)) \\
&:= (777 \times ((7/7 + 7) + 7)) - ((7 + 7 + 7)/7) \\
&:= (8 \times (8 - (8 \times 8))) + (((888 - 8)/8)^{(8+8)/8}) \\
&:= ((99 + 9)/9) \times ((9 \times (99 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11653 &:= ((111 - (1 + 1 + 1))^{1+1}) - 11 \\
&:= ((22 + 2) \times (22^2 + 2)) - (22/2) \\
&:= (3 \times (3 \times ((3 + 3)^{3/3+3})) - (33/3)) \\
&:= (44 - 4/4) \times (((44/4) + 4^4) + 4) \\
&:= 5 + ((55 + 5/5) \times ((5^5 - 5)/(5 + 5 + 5))) \\
&:= (6 \times (6 \times (6 \times (66 - (6 + 6)))) - (66/6)) \\
&:= (777 \times ((7/7 + 7) + 7)) - ((7 + 7)/7) \\
&:= 8 + ((8/8 + 8 + 8) \times ((8 \times 88) - ((88/8) + 8))) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11654 &:= 1 + (((111 - (1 + 1 + 1))^{1+1}) - 11) \\
&:= (2^{2+2}) + (22 \times ((22 + 2/2)^2)) \\
&:= (3 \times ((3 \times ((3 + 3)^{3/3+3})) - 3)) - 3/3 \\
&:= 44 + ((44 + 4/4) \times ((4 + 4)/4 + 4^4)) \\
&:= (555 \times ((55/5 + 5) + 5)) - 5/5 \\
&:= ((6 - 66)/6) + (6 \times (6 \times (6 \times (66 - (6 + 6)))) - 6) \\
&:= (777 \times ((7/7 + 7) + 7)) - 7/7 \\
&:= 8 + (((8 + 8) \times (((8 \times 88) + 8) + 8) + 8)) - ((8 + 8)/8) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11655 &:= 111 \times (111 - ((1 + 1) \times (1 + 1 + 1))) \\
&:= 2 + (((22 + 2) \times (22^2 + 2)) - (22/2)) \\
&:= 3 \times ((3 \times ((3 + 3)^{3/3+3})) - 3) \\
&:= (44 + 4/4) \times ((4^4 - 4/4) + 4) \\
&:= 555 \times ((55/5 + 5) + 5) \\
&:= (666/6) \times (666/6 - 6) \\
&:= 777 \times ((7/7 + 7) + 7) \\
&:= (888/8) \times (((8/8 + 88) + 8) + 8) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11656 &:= 1 + (111 \times (111 - ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 \times (2 \times (((2 + 2 + 2) \times (22^2 + 2)) - 2)) \\
&:= 3/3 + (3 \times ((3 \times ((3 + 3)^{3/3+3})) - 3)) \\
&:= 44 + ((44 \times (4^4 + 4 + 4)) - 4) \\
&:= 5/5 + (555 \times ((55/5 + 5) + 5)) \\
&:= 6/6 + ((666/6) \times (666/6 - 6)) \\
&:= 7/7 + (777 \times ((7/7 + 7) + 7)) \\
&:= 8 + ((8 + 8) \times (((8 \times 88) + 8) + 8) + 8) \\
&:= 9/9 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11657 &:= ((1 + (1 + 111))^{1+1}) - (1 + 1111) \\
&:= ((222/2 - 2)^2) - (222 + 2) \\
&:= (3 + 3) \times (((3 \times (3 + 3))^3) - 3)/3 - 3/3 \\
&:= 4 + ((44 - 4/4) \times (((44/4) + 4^4) + 4)) \\
&:= ((5 + 5)/5) + (555 \times ((55/5 + 5) + 5)) \\
&:= (6 \times (6 \times (6 \times (66 - (6 + 6)))) - (6/6 + 6)) \\
&:= 7 + ((7777/7) + (7 \times 77)) \\
&:= 8 + (((8 + 8) \times (((8 \times 88) + 8) + 8) + 8) + 8/8) \\
&:= ((9 + 9)/9) + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11658 &:= ((1 + (1 + 111))^{1+1}) - 1111 \\
&:= (22 \times ((22 \times (22 + 2)) + 2)) - 2 \\
&:= (3 + 3) \times (((3 \times (3 + 3))^3) - 3)/3 \\
&:= 44 + ((44 \times (4^4 + 4 + 4)) - ((4 + 4)/4)) \\
&:= 5 + (((55 + 5/5) \times ((5^5 - 5)/(5 + 5 + 5))) + 5) \\
&:= (6 \times (6 \times (6 \times (66 - (6 + 6)))) - 6) \\
&:= ((7 + 7 + 7)/7) + (777 \times ((7/7 + 7) + 7)) \\
&:= (8/8 - 88) \times (((8 + 8)/8) - (8 \times (8 + 8) + 8)) \\
&:= ((9 + 9 + 9)/9) + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11659 &:= 1 + (((1 + (1 + 111))^{1+1}) - 1111) \\
&:= ((222/2 - 2)^2) - 222 \\
&:= 3/3 + ((3 + 3) \times (((3 \times (3 + 3))^3) - 3)/3) \\
&:= 4 + ((44 + 4/4) \times ((4^4 - 4/4) + 4)) \\
&:= 5 + ((555 \times ((55/5 + 5) + 5)) - 5/5) \\
&:= 6/6 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))) - 6) \\
&:= (77/7) + (((7 + 7)/7)^7) \times ((77 + 7) + 7) \\
&:= 88/8 + ((8 + 8) \times (((8 \times 88) + 8) + 8) + 8) \\
&:= ((9 - 99)/(9 + 9)) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11660 &:= (1 + 1) \times (11 \times (1 + ((1 + 11 + 11))^{1+1})) \\
&:= 22 \times ((22 \times (22 + 2)) + 2) \\
&:= (3 - 3/3) \times (((3 \times (3 + 3))^3) - 3) + 3/3 \\
&:= 44 + (44 \times (4^4 + 4 + 4)) \\
&:= 5 + (555 \times ((55/5 + 5) + 5)) \\
&:= ((6 + 6)/6) + ((6 \times (6 \times (6 \times (66 - (6 + 6)))) - 6) \\
&:= 7 + ((777 \times ((7/7 + 7) + 7)) - ((7 + 7)/7)) \\
&:= (88/8) \times (((88 \times (8 + 8 + 8)) + 8)/(8 + 8)/8) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times ((9 \times 9) - 9))) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11661 &:= ((111 - (1 + 1 + 1))^{1+1}) - (1 + 1 + 1) \\
&:= 2 + (((222/2 - 2)^2) - 222) \\
&:= (3 \times (3 \times ((3 + 3)^{3/3+3})) - 3 \\
&:= 44 + ((44 \times (4^4 + 4 + 4)) + 4/4) \\
&:= 555 + (55555/5 - 5) \\
&:= 6 + ((666/6) \times (666/6 - 6)) \\
&:= 7 + ((777 \times ((7/7 + 7) + 7)) - 7/7) \\
&:= ((88 + 8 + 8)/8) \times ((888 + 8/8) + 8) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11662 &:= ((111 - (1 + 1 + 1))^{1+1}) - (1 + 1) \\
&:= ((22 + 2) \times (22^2 + 2)) - 2 \\
&:= (3 - 3/3) \times (((3 \times (3 + 3))^3) - 3/3) \\
&:= 44 + ((44 \times (4^4 + 4 + 4)) + ((4 + 4)/4)) \\
&:= (((5 + 5)/5 + 5)^5) - (5 \times ((5 - 5/5)^5 + 5)) \\
&:= (6 \times (6 \times (6 \times (66 - (6 + 6)))) - ((6 + 6)/6) \\
&:= 7 + (777 \times ((7/7 + 7) + 7)) \\
&:= ((888/8) + 8) \times (((8 + 8)/8) + 88) + 8) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11663 &:= ((111 - (1 + 1 + 1))^{1+1}) - 1 \\
&:= ((22 + 2) \times (22^2 + 2)) - 2/2 \\
&:= (3 \times (3 \times ((3 + 3)^{3/3+3})) - 3/3 \\
&:= (4^4 \times (44 + 4)) - ((4/4 + 4)^4) \\
&:= (((55 + 5)/5) \times ((5 - 5/5)^5)) - (5^5/5) \\
&:= (6 \times (6 \times (6 \times (66 - (6 + 6)))) - 6/6 \\
&:= 7 + ((777 \times ((7/7 + 7) + 7)) + 7/7) \\
&:= 8 + ((888/8) \times (((8/8 + 88) + 8) + 8)) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11664 &:= (111 - (1 + 1 + 1))^{1+1} \\
&:= (22 + 2) \times (22^2 + 2) \\
&:= 3 \times (3 \times ((3 + 3)^{3/3+3})) \\
&:= ((4 \times (4 \times 4)) + 44)^{(4+4)/4} \\
&:= (5 - 5/5) \times ((55 - 5/5)^{(5+5)/5}) \\
&:= 6 \times (6 \times (6 \times (66 - (6 + 6)))) \\
&:= ((7777/77) + 7)^{(7+7)/7} \\
&:= (8 + 8) \times ((8/8 + 8)^{88/8-8}) \\
&:= 9 \times ((9 + 9) \times ((9 \times 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11665 &:= 1 + ((111 - (1 + 1 + 1))^{1+1}) \\
&:= 2/2 + ((22 + 2) \times (22^2 + 2)) \\
&:= 3/3 + (3 \times (3 \times ((3 + 3)^{3/3+3})) \\
&:= 4/4 + (((4 \times (4 \times 4)) + 44)^{(4+4)/4}) \\
&:= 5 + ((555 \times ((55/5 + 5) + 5)) + 5) \\
&:= 6/6 + (6 \times (6 \times (6 \times (66 - (6 + 6)))) \\
&:= ((77 - 7)/7) + (777 \times ((7/7 + 7) + 7)) \\
&:= 8/8 + ((8 + 8) \times ((8/8 + 8)^{88/8-8})) \\
&:= 9/9 + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11666 &:= 1 + (1 + ((111 - (1 + 1 + 1))^{1+1})) \\
&:= 2 + ((22 + 2) \times (22^2 + 2)) \\
&:= (3 - 3/3) \times (((3 \times (3 + 3))^3) + 3/3) \\
&:= ((4 + 4)/4) + (((4 \times (4 \times 4)) + 44)^{(4+4)/4}) \\
&:= 555 + (55555/5) \\
&:= ((6 + 6)/6) + (6 \times (6 \times (6 \times (66 - (6 + 6)))) \\
&:= (77/7) + (777 \times ((7/7 + 7) + 7)) \\
&:= 8 + ((8/8 - 88) \times (((8 + 8)/8) - (8 \times (8 + 8) + 8))) \\
&:= ((9 + 9)/9) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11667 &:= 1 + (1 + (1 + ((111 - (1 + 1 + 1))^{1+1}))) \\
&:= 2 + (((22 + 2) \times (22^2 + 2)) + 2/2) \\
&:= 3 + (3 \times (3 \times ((3 + 3)^{3/3+3})) \\
&:= 4 + ((4^4 \times (44 + 4)) - ((4/4 + 4)^4)) \\
&:= 5/5 + (55555/5 + 555) \\
&:= 6 + (((666/6) \times (666/6 - 6)) + 6) \\
&:= ((77 + 7)/7) + (777 \times ((7/7 + 7) + 7)) \\
&:= 8 + (((8 + 8) \times (((8 \times 88) + 8) + 8) + 8)) + (88/8) \\
&:= ((9 + 9 + 9)/9) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11668 &:= 1 + (1 + (1 + (1 + ((111 - (1 + 1 + 1))^{1+1})))) \\
&:= 2 + (((22 + 2) \times (22^2 + 2)) + 2) \\
&:= 3 + ((3 \times (3 \times ((3 + 3)^{3/3+3})) + 3/3) \\
&:= 4 + (((4 \times (4 \times 4)) + 44)^{(4+4)/4}) \\
&:= (5 - 5/5) \times (((5 - 5^5)/(5 + 5 + 5)) + 5^5) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))) - ((6 + 6)/6)) \\
&:= 7 + (((777 \times ((7/7 + 7) + 7)) - 7/7) + 7) \\
&:= 8 \times 8 + (((88 + 8)/8) \times (((88 \times 88) - 8)/8)) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9) - 9))) + ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11669 &:= 1 + (1 + (1 + (1 + (1 + ((111 - (1 + 1 + 1))^{1+1})))))) \\
&:= 2 + (((((22 + 2) \times (22^2 + 2)) + 2/2) + 2) \\
&:= 3 + (((3 - 3/3) \times (((3 \times (3 + 3))^3) + 3/3)) \\
&:= 4 + (((((4 \times (4 \times 4)) + 44)^{(4+4)/4}) + 4/4) \\
&:= 5 + (((5 - 5/5) \times ((55 - 5/5)^{(5+5)/5})) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))) - 6/6) \\
&:= 7 + ((777 \times ((7/7 + 7) + 7)) + 7) \\
&:= 8 + (((88 + 8 + 8)/8) \times ((888 + 8/8) + 8)) \\
&:= ((9 \times 9 + 9)/(9 + 9)) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11670 &:= (11 - 1) \times (11 + ((1 + (11 \times (1 + 1 + 1)))^{1+1})) \\
&:= 2 + (((((22 + 2) \times (22^2 + 2)) + 2) + 2) \\
&:= (3 + 3) \times (((3 \times (3 + 3))^3) + 3)/3) \\
&:= 4 + (((((4 \times (4 \times 4)) + 44)^{(4+4)/4}) + ((4 + 4)/4)) \\
&:= (5 + 5) \times (((5555 + 5)/5) + 55) \\
&:= 6 + (6 \times (6 \times (6 \times (66 - (6 + 6)))) \\
&:= ((7/7 + 7) + 7) \times (777 + 7/7) \\
&:= 8 + (((888/8) + 8) \times (((8 + 8)/8) + 88) + 8) \\
&:= 9 + ((9 \times (9 + 9) \times ((9 \times 9) - 9))) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11671 &:= 11 \times (1 + ((1 + 1) \times (1 + ((1 + 11 + 11)^{1+1})))) \\
&:= 222 + ((222/2 - 2 - 2)^2) \\
&:= 3/3 + ((3 + 3) \times (((3 \times (3 + 3))^3 + 3)/3)) \\
&:= 4 + (((4^4 \times (44 + 4)) - ((4/4 + 4)^4)) + 4) \\
&:= 5 + (55555/5 + 555) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))))) + 6/6 \\
&:= 7 + (((7777/77) + 7)^{(7+7)/7}) \\
&:= (8888/8) + (88 \times ((8 \times (8 + 8)) - 8)) \\
&:= 9 + (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11672 &:= ((1 + 1)^{11-1}) + ((11 + 11)^{1+1+1}) \\
&:= 2 \times (((((2^{2+2}) + 2)^{2/2+2}) + 2) + 2) \\
&:= (3 - 3/3) \times (((3 \times (3 + 3))^3 + 3/3) + 3) \\
&:= 4 + (((4 \times (4 \times 4)) + 44)^{(4+4)/4}) + 4) \\
&:= 5 + (55555/5 + 555) + 5/5 \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))))) + ((6 + 6)/6) \\
&:= 7 + ((777 \times ((7/7 + 7) + 7)) + ((77 - 7)/7)) \\
&:= 8 + ((8 + 8) \times ((8/8 + 8)^{88/8-8})) \\
&:= 9 + (9 \times ((9 + 9) \times ((9 \times 9) - 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11673 &:= 11 + (((111 - (1 + 1 + 1))^{1+1}) - (1 + 1)) \\
&:= 2 + (((222/2 - 2 - 2)^2) + 222) \\
&:= 3 \times ((3 \times ((3 + 3)^{3/3+3})) + 3) \\
&:= ((4/4 + 4) + 4) \times (((((4 + 4)/4) + 4)^4) + 4/4) \\
&:= 5 + ((5 - 5/5) \times (((5 - 5^5)/(5 + 5 + 5)) + 5^5)) \\
&:= ((6 \times 6/(6 + 6)) + 6) \times ((6 \times 6 \times 6 \times 6) + 6/6) \\
&:= 7 + ((777 \times ((7/7 + 7) + 7)) + (77/7)) \\
&:= (8/8 + 8) \times ((88 \times (8 + 8)) - (888/8)) \\
&:= 9 + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11674 &:= 11 + (((111 - (1 + 1 + 1))^{1+1}) - 1) \\
&:= 2 + (((22 + 2) \times (22^2 + 2)) + (2 \times (2 + 2))) \\
&:= 3/3 + (3 \times ((3 \times ((3 + 3)^{3/3+3})) + 3)) \\
&:= 4^4 + ((44/4) \times ((4 \times (4^4 + 4)) - ((4 + 4)/4))) \\
&:= 5 + (((5 - 5/5) \times ((55 - 5/5)^{(5+5)/5})) + 5) \\
&:= ((66 - 6)/6) + (6 \times (6 \times (6 \times (66 - (6 + 6)))))) \\
&:= 7 + ((777 \times ((7/7 + 7) + 7)) + ((77 + 7)/7)) \\
&:= 8 \times 8 + (((8 + 8)/8) + 88) \times (8 \times (8 + 8) + 8/8)) \\
&:= 9 + (9 \times ((9 + 9) \times ((9 \times 9) - 9))) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11675 &:= 11 + (((111 - (1 + 1 + 1))^{1+1}) - 1) \\
&:= (22/2) + ((22 + 2) \times (22^2 + 2)) \\
&:= (33/3) + (3 \times (3 \times ((3 + 3)^{3/3+3})) \\
&:= (44/4) + (((4 \times (4 \times 4)) + 44)^{(4+4)/4}) \\
&:= 5^5 + ((5 + 5 + 5) \times ((5^5/5) - 55)) \\
&:= (66/6) + (6 \times (6 \times (6 \times (66 - (6 + 6)))))) \\
&:= (777/7) + ((7 + 7) \times (777 + (7 \times 7))) \\
&:= 88/8 + ((8 + 8) \times ((8/8 + 8)^{88/8-8})) \\
&:= (99/9) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11676 &:= 1 + (11 + ((111 - (1 + 1 + 1))^{1+1})) \\
&:= (2 + 2 + 2) \times ((2 \times (2 \times (22^2 + 2))) + 2) \\
&:= 3 + (3 \times ((3 \times ((3 + 3)^{3/3+3})) + 3)) \\
&:= 4 \times 4 + ((44 \times (4^4 + 4 + 4)) + 44) \\
&:= ((55/5 + 5) + 5) \times (555 + 5/5) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))))) + 6 \\
&:= 7 + (((777 \times ((7/7 + 7) + 7)) + 7) + 7) \\
&:= (88 - (8 \times 8/(8 + 8))) \times (8 \times (8 + 8) + (88/8)) \\
&:= ((99 + 9)/9) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11677 &:= 1 + (1 + (11 + ((111 - (1 + 1 + 1))^{1+1}))) \\
&:= 2 + (((22 + 2) \times (22^2 + 2)) + (22/2)) \\
&:= 3 + ((3 \times ((3 \times ((3 + 3)^{3/3+3})) + 3)) + 3/3) \\
&:= ((4^4 + 4)/4) + ((44 \times (4^4 + 4 + 4)) - 4) \\
&:= 5/5 + (((55/5 + 5) + 5) \times (555 + 5/5)) \\
&:= 6 + (((6 \times (6 \times (6 \times (66 - (6 + 6)))))) + 6/6) + 6 \\
&:= 7 + (((7/7 + 7) + 7) \times (777 + 7/7)) \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - ((88/8) + 88) \\
&:= ((99 + 9 + 9)/9) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11678 &:= 1 + (1 + (1 + (11 + ((111 - (1 + 1 + 1))^{1+1})))) \\
&:= (22 \times (((22 + 2/2)^2) + 2)) - (2 + 2) \\
&:= 3 + ((3 \times (3 \times ((3 + 3)^{3/3+3})) + (33/3)) \\
&:= ((4^4 - (4 + 4))/4) + (44 \times (4^4 + 4 + 4)) \\
&:= 5 + (((5 - 5/5) \times (((5 - 5^5)/(5 + 5 + 5)) + 5^5)) + 5) \\
&:= 6 + (((6 \times (6 \times (6 \times (66 - (6 + 6)))))) + ((6 + 6)/6)) + 6 \\
&:= (((7/7 + 7) + 7) \times (((7 + 7)/7) + 777)) - 7 \\
&:= 8 + (((888/8) + 8) \times (((8 + 8)/8) + 88) + 8) + 8 \\
&:= (9 \times ((9 \times 9) - (9 + 9))) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11679 &:= 1 + (1 + (1 + (1 + (11 + ((111 - (1 + 1 + 1))^{1+1})))))) \\
&:= (222/2) + ((22 + 2) \times (22^2 - 2)) \\
&:= (3 \times (3 \times (((33/3)^3) - 33))) - 3 \\
&:= ((4^4 - 4)/4) + (44 \times (4^4 + 4 + 4)) \\
&:= 5 \times 5 + (555 \times ((55/5 + 5) + 5)) - 5/5 \\
&:= 6 + (((6 \times 6/(6 + 6)) + 6) \times (6 \times 6 \times 6 \times 6 + 6/6)) \\
&:= (((77 - 7)/7) + 7) \times ((7 \times (7 \times (7 + 7))) + 7/7) \\
&:= (8 \times ((8 \times 8) + 8)) + ((88888/8) - 8) \\
&:= ((99 - 9/9) \times (999/9 + 9)) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11680 &:= (11 - 1) \times (((1 + 11)^{1+1}) + ((1 + 1)^{11-1})) \\
&:= (22 \times (((22 + 2/2)^2) + 2)) - 2 \\
&:= 3^{3 \times 3} - (((33/3) + 3 \times 3)^3) + 3 \\
&:= 4^4 + ((44 \times (4^4 + 4)) - 4 \times 4) \\
&:= 5 \times 5 + (555 \times ((55/5 + 5) + 5)) \\
&:= (66 \times (666/6 + 66)) - ((6 + 6)/6) \\
&:= (((7 + 7)/7)^{7+7}) + ((7 + 7) \times (7 - (7 \times 7))) \\
&:= (((88 + 8)/8) + 8) \times ((8 \times ((8 \times 8) + 8)) + 8) \\
&:= (9 - 9/9) \times ((9 \times (9 \times (9 + 9))) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11681 &:= 1 + ((11 - 1) \times (((1 + 11)^{1+1}) + ((1 + 1)^{11-1}))) \\
&:= (22 \times (((22 + 2/2)^2) + 2)) - 2/2 \\
&:= (3 \times (3 \times (((33/3)^3) - 33))) - 3/3 \\
&:= ((4^4 + 4)/4) + (44 \times (4^4 + 4 + 4)) \\
&:= 5 + (((55/5 + 5) + 5) \times (555 + 5/5)) \\
&:= (66 \times (666/6 + 66)) - 6/6 \\
&:= (77/7) + (((7/7 + 7) + 7) \times (777 + 7/7)) \\
&:= (8 \times (8 \times (88 - 8))) + (((88/8) - 8)^8) \\
&:= 9 + (((9 \times (9 + 9) \times ((9 \times 9) - 9))) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11682 &:= (1 + 1) \times (11 \times (1 + (1 + ((1 + 11 + 11)^{1+1})))) \\
&:= 22 \times (((22 + 2/2)^2) + 2) \\
&:= 3 \times (3 \times (((33/3)^3) - 33)) \\
&:= ((4^4 + 4 + 4)/4) \times ((4 \times 44) + 4/4) \\
&:= (((5 + 5)/5) + 5)^5 - ((5 - (5 - 5/5)^5) + 5) \\
&:= 66 \times (666/6 + 66) \\
&:= 77/7 \times ((7777/7) - (7 \times 7)) \\
&:= (((8 + 8)/8) + (8 \times 8)) \times ((88 + 88) + 8/8) \\
&:= 9 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11683 &:= 1 + ((1 + 1) \times (11 \times (1 + (1 + ((1 + 11 + 11)^{1+1})))))) \\
&:= 2/2 + (22 \times (((22 + 2/2)^2) + 2)) \\
&:= 3^{3 \times 3} - (((33/3) + 3 \times 3)^3) \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) + ((4^4 - 4)/4)) \\
&:= 55 + (((55 + 5)/5) \times (((5 - 5/5)^5) - 55)) \\
&:= 6/6 + (66 \times (666/6 + 66)) \\
&:= ((7 + 7) \times ((77 \times (77/7)) - 7)) - 77 \\
&:= 8 + (((8 + 8) \times ((8/8 + 8)^{88/8-8})) + (88/8)) \\
&:= 9 + (((9 \times (9 + 9) \times ((9 \times 9) - 9))) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11684 &:= ((1 + 1) \times (11 - 1)) + (((111 - (1 + 1 + 1))^{1+1})) \\
&:= 2 + (22 \times (((22 + 2/2)^2) + 2)) \\
&:= 3 + ((3 \times (3 \times (((33/3)^3) - 33))) - 3/3) \\
&:= ((4^4 + 4) \times (44 + 4/4)) - (4 \times 4) \\
&:= (5 - 5/5) \times (((55 - 5/5)^{(5+5)/5}) + 5) \\
&:= ((6 + 6)/6) + (66 \times (666/6 + 66)) \\
&:= 7 + (((7/7 + 7) + 7) \times (777 + 7/7)) + 7 \\
&:= ((8 \times (8 + 8)) - 8/8) \times ((8 \times 8/(8 + 8)) + 88) \\
&:= 9 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11685 &:= 11 + (11 + (((111 - (1 + 1 + 1))^{1+1}) - 1)) \\
&:= 2 + ((22 \times (((22 + 2/2)^2) + 2)) + 2/2) \\
&:= 3 + (3 \times (3 \times (((33/3)^3) - 33)) \\
&:= 4^4 + ((44 \times (4^4 + 4)) - 44/4) \\
&:= ((5^5/5) - (5 + 5)) \times ((5 \times 5) - (5/5 + 5)) \\
&:= 6 \times 6 + (((666/6) \times (666/6 - 6)) - 6) \\
&:= ((7/7 + 7) + 7) \times (((7 + 7)/7) + 777) \\
&:= ((8 - 8/8) + 8) \times ((8 \times (88 + 8)) + (88/8)) \\
&:= 9 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11686 &:= 11 + (11 + ((111 - (1 + 1 + 1))^{1+1})) \\
&:= 22 + ((22 + 2) \times (22^2 + 2)) \\
&:= 3 + ((3^{3 \times 3}) - (((33/3) + 3 \times 3)^3)) \\
&:= 4 + (((4^4 + 4 + 4)/4) \times ((4 \times 44) + 4/4)) \\
&:= 5 + (((55/5 + 5) + 5) \times (555 + 5/5)) + 5 \\
&:= 6 + ((66 \times (666/6 + 66)) - ((6 + 6)/6)) \\
&:= 7 + (((77 - 7)/7) + 7) \times ((7 \times (7 \times (7 + 7))) + 7/7)) \\
&:= (8 \times ((8 \times 8) + 8)) + ((88888/8) - 8/8) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9) - 9))) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11687 &:= 11111 + (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= ((22 + 2)^2) + (22222/2) \\
&:= (((3 \times 3 + 3)^3)/3) + (33333/3) \\
&:= 4^4 + ((44 \times (4^4 + 4)) - ((4/4 + 4) + 4)) \\
&:= (((5 + 5)/5) + 5)^5 - (5 \times ((5 - 5/5)^5)) \\
&:= 6 + ((66 \times (666/6 + 66)) - 6/6) \\
&:= 7 + (((7 + 7) \times (7 - (7 \times 7 \times 7))) + (((7 + 7)/7)^{7+7})) \\
&:= (8 \times ((8 \times 8) + 8)) + (88888/8) \\
&:= ((99 + 9 + 9)/9) \times (((9 \times 99) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11688 &:= 1 + (11111 + (((1 + 1) \times (1 + 11))^{1+1})) \\
&:= (22 + 2) \times ((22^2 + 2/2) + 2) \\
&:= (3 + 3) \times (((((3 \times (3 + 3))^3) + 3)/3) + 3) \\
&:= 4^4 + ((44 \times (4^4 + 4)) - (4 + 4)) \\
&:= ((55 + 5)/5) \times (((5 - 5/5)^5) - 55) + 5 \\
&:= 6 + (66 \times (666/6 + 66)) \\
&:= (7/7 + 7) \times (((7777/7) + (7 \times 7 \times 7)) + 7) \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 88 \\
&:= (9 - 9/9) \times ((9 \times (9 \times (9 + 9))) + ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11689 &:= 1 + (1 + (11111 + (((1 + 1) \times (1 + 11))^{1+1}))) \\
&:= 2 + ((22222/2) + (22 + 2)^2) \\
&:= 3 + (((3^{3 \times 3}) - (((33/3) + 3 \times 3)^3)) + 3) \\
&:= ((4^4 + 4) \times (44 + 4/4)) - (44/4) \\
&:= 5 + ((5 - 5/5) \times (((55 - 5/5)^{(5+5)/5}) + 5)) \\
&:= ((6 - 6 \times 6) \times (6 - (6 \times 66))) - (66/6) \\
&:= 7 + ((77/7) \times ((7777/7) - (7 \times 7))) \\
&:= 8 + ((8 \times (8 \times (88 - 8))) + (((88/8) - 8)^8)) \\
&:= 9 + ((9 - 9/9) \times ((9 \times (9 \times (9 + 9))) + ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11690 &:= (11 - 1) \times (1 + (((1 + 11)^{1+1}) + ((1 + 1)^{11-1}))) \\
&:= 2 + ((22 + 2) \times ((22^2 + 2/2) + 2)) \\
&:= ((33 - 3/3) + 3) \times (333 + 3/3) \\
&:= 4^4 + ((44 \times (4^4 + 4)) - (((4 + 4)/4) + 4)) \\
&:= (5 + 5) \times (((5^5 - 55)/5) + 555) \\
&:= (6 - 6/6) \times ((6 \times ((6 \times 66) - 6)) - ((6 + 6)/6)) \\
&:= 77 + ((7 + 7 + 7) \times (((7 \times 77) + 7) + 7)) \\
&:= 8 + (((8 + 8)/8) + (8 \times 8)) \times ((88 + 88) + 8/8) \\
&:= 999 + ((99 \times (99 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11691 &:= (11 - 1 - 1) \times (1 + (11 \times ((11^{1+1}) - (1 + 1 + 1)))) \\
&:= (22^2/2) + ((222/2 - 2 - 2)^2) \\
&:= 3 \times (3 \times (((3+3)^{3/3+3}) + 3)) \\
&:= 4^4 + ((44 \times (4^4 + 4)) - (4/4 + 4)) \\
&:= 5 \times 5 + (55555/5 + 555) \\
&:= 6 \times 6 + ((666/6) \times (666/6 - 6)) \\
&:= 7 + (((((7/7 + 7) + 7) \times (777 + 7/7)) + 7) + 7) \\
&:= 8 \times 8 + ((88/8) \times (((88 \times (88 + 8)) + 8)/8)) \\
&:= 999 + (99 \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11692 &:= (11 \times 1111) - ((1 + 11 + 11)^{1+1}) \\
&:= 2 + (((22 + 2) \times ((22^2 + 2/2) + 2)) + 2) \\
&:= 3/3 + (3 \times (3 \times (((3+3)^{3/3+3}) + 3)) \\
&:= 4^4 + ((44 \times (4^4 + 4)) - 4) \\
&:= 5 + (((((5+5)/5) + 5)^5) - (5 \times ((5 - 5/5)^5))) \\
&:= ((6 - 6 \times 6) \times (6 - (6 \times 66))) - ((6+6)/6 + 6) \\
&:= 7 + (((7/7 + 7) + 7) \times (((7 + 7)/7) + 777)) \\
&:= 8 + (((8 \times (8 + 8)) - 8/8) \times ((8 \times 8/(8 + 8)) + 88)) \\
&:= 9/9 + ((99 \times (99 + 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11693 &:= 11 \times (1111 - ((1 + 1) \times ((1 + 1) \times (1 + 11)))) \\
&:= (22/2) + (22 \times (((22 + 2/2)^2) + 2)) \\
&:= 3 + (((33 - 3/3) + 3) \times (333 + 3/3)) \\
&:= 4/4 + (((44 \times (4^4 + 4)) - 4) + 4^4) \\
&:= 5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - 55) + 5) \\
&:= ((6 - 6 \times 6) \times (6 - (6 \times 66))) - (6/6 + 6) \\
&:= 77/7 \times ((77 \times (7 + 7)) - ((7/7 + 7) + 7)) \\
&:= (88/8) \times (((88 \times (88 + 8)) - 8)/8 + 8) \\
&:= 9 + (((9 \times (9 + 9) \times ((9 \times 9) - 9)) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11694 &:= 1 + (11 \times (1111 - ((1 + 1) \times ((1 + 1) \times (1 + 11)))) \\
&:= (2/2 + 2) \times ((2 \times (((2 \times 22)^2) + 2)) + 22) \\
&:= 3 + (3 \times (3 \times (((3+3)^{3/3+3}) + 3)) \\
&:= 4^4 + ((44 \times (4^4 + 4)) - ((4 + 4)/4)) \\
&:= (5/5 + 5) \times (((5/5 + 5)^5)/(5 - 5/5) + 5) \\
&:= ((6 - 6 \times 6) \times (6 - (6 \times 66))) - 6 \\
&:= ((7 - 77)/7) + ((77 + 77) \times (77 - 7/7)) \\
&:= ((8/8 + 8 + 8) \times ((8 \times 88) - (8 + 8))) - ((8 + 8)/8) \\
&:= (999/9) + (99 \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11695 &:= (111^{1+1}) - (1 + ((1 + (1 + 1) \times (1 + 11))^{1+1})) \\
&:= 2 + ((22 \times (((22 + 2/2)^2) + 2)) + (22/2)) \\
&:= 3 + ((3 \times (3 \times (((3+3)^{3/3+3}) + 3)) + 3/3) \\
&:= 4^4 + ((44 \times (4^4 + 4)) - 4/4) \\
&:= ((5 + 5 + 5) \times ((5^5 - 5)/(5 - 5/5))) - 5 \\
&:= 66 + (((6 - 6/6)^6) - (6 \times 666)) \\
&:= (7777/7) + ((77 + 7) \times (77 + 7 \times 7)) \\
&:= 8 + ((88888/8) + (8 \times ((8 \times 8) + 8))) \\
&:= ((999 + 9)/9) + (99 \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11696 &:= (111^{1+1}) - ((1 + (1 + 1) \times (1 + 11))^{1+1}) \\
&:= (2^{2+2}) \times (((2/2 + 2)^{2+2+2}) + 2) \\
&:= (3/3 + 33) \times (333 + (33/3)) \\
&:= 4^4 + (44 \times (4^4 + 4)) \\
&:= ((555/5)^{(5+5)/5}) - (5^5/5) \\
&:= ((6 + 6)/6) + (((6 - 6 \times 6) \times (6 - (6 \times 66))) - 6) \\
&:= ((7 \times 7 \times 7) + 7/7) \times ((7 \times 7) - ((7/7 + 7) + 7)) \\
&:= (8/8 + 8 + 8) \times ((8 \times 88) - (8 + 8)) \\
&:= ((9 - (9 + 9)/9) + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11697 &:= (11 \times (1 + 1 + 1)) + ((111 - (1 + 1 + 1))^{1+1}) \\
&:= ((2/2 + 2)^{2+2}) + (22^2 \times (22 + 2)) \\
&:= 33 + (3 \times (3 \times (((3+3)^{3/3+3})) \\
&:= 4/4 + ((44 \times (4^4 + 4)) + 4^4) \\
&:= ((5 - 5^5)/5) + ((555/5)^{(5+5)/5}) \\
&:= ((6 - 6 \times 6) \times (6 - (6 \times 66))) - (6 \times 6/(6 + 6)) \\
&:= ((77 + 77) \times (77 - 7/7)) - 7 \\
&:= 8/8 + ((8/8 + 8 + 8) \times ((8 \times 88) - (8 + 8))) \\
&:= 9 + ((9 - 9/9) \times ((9 \times (9 \times 9 + 9)) + ((9 + 9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11698 &:= (11 \times (1111 - 1)) - ((1 + 1)^{11-1-1}) \\
&:= 2 + ((2^{2+2}) \times (((2/2 + 2)^{2+2+2}) + 2)) \\
&:= 3/3 + ((3 \times (3 \times (((3+3)^{3/3+3})) + 33) \\
&:= 4^4 + ((44 \times (4^4 + 4)) + ((4 + 4)/4)) \\
&:= (((5 - 5^5) + 5)/5) + ((555/5)^{(5+5)/5}) \\
&:= ((6 - 6 \times 6) \times (6 - (6 \times 66))) - ((6 + 6)/6) \\
&:= 7/7 + (((77 + 77) \times (77 - 7/7)) - 7) \\
&:= 88 + (((8 + 8)/8) + 88) \times (8 \times (8 + 8) + 8/8) \\
&:= ((99 + 9 + 9) \times (9/9 + 99)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11699 &:= ((1 + 1 + 11) \times (((11 - 1) \times (1 + 1 + 1))^{1+1})) - 1 \\
&:= 2 + ((22^2 \times (22 + 2)) + ((2/2 + 2)^{2+2})) \\
&:= ((33/3)^3) + ((3 + 3) \times ((3 \times 3 + 3)^3)) \\
&:= ((4^4 + 4) \times (44 + 4/4)) - 4/4 \\
&:= 5555 + ((5/5 + 5) \times ((5 - 5/5)^5)) \\
&:= ((6 - 6 \times 6) \times (6 - (6 \times 66))) - 6/6 \\
&:= (7 \times (77 + 7)) + (77777/7) \\
&:= 88/8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 88) \\
&:= ((99 + 9 + 9) \times (9/9 + 99)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11700 &:= (1 + 1 + 11) \times (((11 - 1) \times (1 + 1 + 1))^{1+1}) \\
&:= 2 \times ((22 \times (222 + 2 \times 22)) - 2) \\
&:= 3 \times ((3 \times (((3+3)^{3/3+3}) + 3)) + 3) \\
&:= (4^4 + 4) \times (44 + 4/4) \\
&:= (5 + 5 + 5) \times ((5^5 - 5)/(5 - 5/5)) \\
&:= (6 - 6 \times 6) \times (6 - (6 \times 66)) \\
&:= ((7/7 + 7) + 7) \times (((7 + 7 + 7)/7) + 777) \\
&:= ((88 + 8)/8) \times (((88 \times 88) - 8)/8 + 8) \\
&:= (99 + 9 + 9) \times (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11701 &:= 1 + ((1 + 1 + 11) \times (((11 - 1) \times (1 + 1 + 1))^{1+1})) \\
&:= ((22 + 2) \times ((22^2 + 2) + 2)) - (22/2) \\
&:= 3/3 + (3 \times ((3 \times ((3 + 3)^{3/3+3}) + 3)) + 3) \\
&:= 4/4 + ((4^4 + 4) \times (44 + 4/4)) \\
&:= 5 + (((555/5)^{(5+5)/5}) - (5^5/5)) \\
&:= 6/6 + ((6 - 6 \times 6) \times (6 - (6 \times 66))) \\
&:= ((77 + 77) \times (77 - 7/7)) - ((7 + 7 + 7)/7) \\
&:= (8 \times (((88 \times (8 + 8)) - 8) + (8 \times 8))) - (88/8) \\
&:= 9/9 + ((99 + 9 + 9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11706 &:= 1 + ((111^{1+1}) - (11 \times ((1 + 111)/(1 + 1))) \\
&:= 2 + (2 \times (22 \times (222 + 2 \times 22))) \\
&:= 33 + (3 \times ((3 \times ((3 + 3)^{3/3+3}) + 3)) \\
&:= 444 + ((4^4 \times 44) - ((4 + 4)/4)) \\
&:= 5 + (((555/5)^{(5+5)/5}) - (5^5/5)) + 5 \\
&:= 6 + ((6 - 6 \times 6) \times (6 - (6 \times 66))) \\
&:= 7 + ((7777/7) + (7 \times (77 + 7))) \\
&:= ((8 + 8)/8) + (88 \times ((8 - 8/8) \times ((88/8) + 8))) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9) - 9) + 9)) - ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11702 &:= 1 + (1 + ((1 + 1 + 11) \times (((11 - 1) \times (1 + 1 + 1))^{1+1}))) \\
&:= (2 \times (22 \times (222 + 2 \times 22))) - 2 \\
&:= 3 + (((3 + 3) \times ((3 \times 3 + 3)^3)) + ((33/3)^3)) \\
&:= ((4 + 4)/4) + ((4^4 + 4) \times (44 + 4/4)) \\
&:= 5 + (((555/5)^{(5+5)/5}) + ((5 - 5^5)/5)) \\
&:= ((6 + 6)/6) + ((6 - 6 \times 6) \times (6 - (6 \times 66))) \\
&:= ((7 + 7)/7) \times ((77 \times 77) - (7/7 + 77)) \\
&:= ((8 - 88)/8) + (8 \times (((88 \times (8 + 8)) - 8) + (8 \times 8))) \\
&:= ((9 + 9)/9) + ((99 + 9 + 9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11707 &:= (1 + 11 + 11) \times (((1 + 1)^{11-1-1}) - (1 + 1 + 1)) \\
&:= 2 + ((2 \times (22 \times (222 + 2 \times 22))) + 2/2) \\
&:= (3^{3+3}) + ((33 \times 333) - 33/3) \\
&:= 444 + ((4^4 \times 44) - 4/4) \\
&:= (5 \times (5^5 - 5)) - (((5/5 + 5)^5)/(5 + 5/5)) + 5 \\
&:= 6 + (((6 - 6 \times 6) \times (6 - (6 \times 66))) + 6/6) \\
&:= 7 + (((7/7 + 7) + 7) \times (((7 + 7 + 7)/7) + 777)) \\
&:= 88/8 + ((8/8 + 8 + 8) \times ((8 \times 88) - (8 + 8))) \\
&:= (9 \times (9 \times 9)) + ((99/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11703 &:= (11 \times (11 \times 111)) - ((1 + 11)^{1+1+1}) \\
&:= (2 \times (22 \times (222 + 2 \times 22))) - 2/2 \\
&:= 3 + (3 \times ((3 \times ((3 + 3)^{3/3+3}) + 3)) + 3) \\
&:= 4 + (((4^4 + 4) \times (44 + 4/4)) - 4/4) \\
&:= 55 + ((55 + 5/5) \times ((5^5 - 5)/(5 + 5 + 5))) \\
&:= (6 \times 6/(6 + 6)) + ((6 - 6 \times 6) \times (6 - (6 \times 66))) \\
&:= ((77 + 77) \times (77 - 7/7)) - 7/7 \\
&:= (8 \times (((88 \times (8 + 8)) - 8) + (8 \times 8))) - (8/8 + 8) \\
&:= 9 + ((99 \times (99 + 9 + 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11708 &:= (11 \times 1111) - (1 + ((1 + 1)^{11-1-1})) \\
&:= 2 \times ((22 \times (222 + 2 \times 22)) + 2) \\
&:= (3 \times (3 \times (((33/3)^3) - 33) + 3)) - 3/3 \\
&:= 444 + (4^4 \times 44) \\
&:= 5 + (((55 + 5/5) \times ((5^5 - 5)/(5 + 5 + 5))) + 55) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - (6 \times 66))) + ((6 + 6)/6)) \\
&:= (77/7) + (((77 + 77) \times (77 - 7/7)) - 7) \\
&:= (8 \times (88 \times (8 + 8))) + (888/((8 + 8)/8)) \\
&:= 9 + (((99 + 9 + 9) \times (9/9 + 99)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11704 &:= 11 \times (((1 + 1)^{1+1+1}) \times (1 + (11 \times (1 + 11)))) \\
&:= 2 \times (22 \times (222 + 2 \times 22)) \\
&:= 3 + ((3 \times ((3 \times ((3 + 3)^{3/3+3}) + 3)) + 3)) + 3/3 \\
&:= 4 + ((4^4 + 4) \times (44 + 4/4)) \\
&:= (55 + 5/5) \times ((5^5 + 5 + 5)/(5 + 5 + 5)) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - (6 \times 66))) - ((6 + 6)/6)) \\
&:= (77 + 77) \times (77 - 7/7) \\
&:= 88 \times ((8 - 8/8) \times ((88/8) + 8)) \\
&:= (99/9) \times ((9 \times (99 + 9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11709 &:= (11 \times 1111) - ((1 + 1)^{11-1-1}) \\
&:= ((22 + 2) \times ((22^2 + 2) + 2)) - (2/2 + 2) \\
&:= 3 \times (3 \times (((33/3)^3) - 33) + 3) \\
&:= 4/4 + (4^4 \times 44 + 444) \\
&:= ((5 - 5/5) + 5) \times (((5/5 + 5)^{5-5/5}) + 5) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - (6 \times 66))) + (6 \times 6/(6 + 6))) \\
&:= 7 + (((7 + 7)/7) \times ((77 \times 77) - (7/7 + 77))) \\
&:= ((88/8) \times (8888/8)) - (8 \times 8 \times 8) \\
&:= 9 + ((99 + 9 + 9) \times (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11705 &:= (111^{1+1}) - (11 \times ((1 + 111)/(1 + 1))) \\
&:= 2/2 + (2 \times (22 \times (222 + 2 \times 22))) \\
&:= (3^{3+3}) + ((3/3 + 3) \times ((33/3 + 3)^3)) \\
&:= 4 + (((4^4 + 4) \times (44 + 4/4)) + 4/4) \\
&:= 5 + ((5 + 5 + 5) \times ((5^5 - 5)/(5 - 5/5))) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - (6 \times 66))) - 6/6) \\
&:= 7/7 + ((77 + 77) \times (77 - 7/7)) \\
&:= 8/8 + (88 \times ((8 - 8/8) \times ((88/8) + 8))) \\
&:= 9 + (((9 - ((9 + 9)/9)) + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11710 &:= 1 + ((11 \times 1111) - ((1 + 1)^{11-1-1})) \\
&:= ((22 + 2) \times ((22^2 + 2) + 2)) - 2 \\
&:= 3^3 + ((3^3 \times 3) - (((33/3) + 3 \times 3)^3)) \\
&:= 444 + (4^4 \times 44 + ((4 + 4)/4)) \\
&:= 55 + (555 \times ((55/5 + 5) + 5)) \\
&:= (6 - 6/6) \times ((6 \times ((6 \times 66) - 6)) + ((6 + 6)/6)) \\
&:= 7 + (((77 + 77) \times (77 - 7/7)) - 7/7) \\
&:= (8 \times (((88 \times (8 + 8)) - 8) + (8 \times 8))) - ((8 + 8)/8) \\
&:= 9 + (((99 + 9 + 9) \times (9/9 + 99)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11711 &:= (111^{1+1}) - (((11 \times 111) - 1)/(1+1)) \\
&:= ((22+2) \times ((22^2+2)+2)) - 2/2 \\
&:= ((3^3-3/3)^3) - (((3 \times (3+3))^3) + 33) \\
&:= 4 + (((4^4 \times 44) - 4/4) + 444) \\
&:= (5^5/5) + ((55555/5) - (5 \times 5)) \\
&:= (66/6) + (((6-6 \times 6) \times (6 - (6 \times 66))) \\
&:= 7 + (((77+77) \times (77-7/7)) \\
&:= (8 \times (((88 \times (8+8)) - 8) + (8 \times 8))) - 8/8 \\
&:= (99/9) + ((99+9+9) \times (9/9+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11712 &:= (1+11) \times (((1+1)^{1+1+1}) \times (1+(11^{1+1}))) \\
&:= (22+2) \times ((22^2+2)+2) \\
&:= (33-3/3) \times (333+33) \\
&:= 4 + (4^4 \times 44 + 444) \\
&:= (5 \times (5^5-5)) - (((5/5+5)^5)/(5+5)/5) \\
&:= 6 + (((6-6 \times 6) \times (6 - (6 \times 66))) + 6) \\
&:= 7 + (((77+77) \times (77-7/7)) + 7/7) \\
&:= 8 \times (((88 \times (8+8)) - 8) + (8 \times 8)) \\
&:= 9 + (((99 \times (99+9+9)) + (999/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11713 &:= (1+1+11) \times (1+(((11-1) \times (1+1+1))^{1+1})) \\
&:= 2/2 + ((22+2) \times ((22^2+2)+2)) \\
&:= 3/3 + ((33-3/3) \times (333+33)) \\
&:= ((4/4+4)^4) + (44 \times (4^4-4)) \\
&:= ((55+5+5)/5) \times (((5^5+5)/5) + (5 \times 55)) \\
&:= 6 + (((6-6 \times 6) \times (6 - (6 \times 66))) + 6/6) + 6) \\
&:= 7 + (((77777/7) + (7 \times (77+7))) + 7) \\
&:= 8/8 + (8 \times (((88 \times (8+8)) - 8) + (8 \times 8))) \\
&:= ((99+9+9)/9) \times (((9 \times 99) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11714 &:= 1 + ((1+1+11) \times (1+(((11-1) \times (1+1+1))^{1+1}))) \\
&:= 2 + ((22+2) \times ((22^2+2)+2)) \\
&:= (3^{3+3}) + ((33 \times 333) - (3/3+3)) \\
&:= 4 + (((4^4 \times 44) + 444) + ((4+4)/4)) \\
&:= ((5^5-55)/5) + ((5 \times 5-5) \times 555) \\
&:= 6 + (((6-6 \times 6) \times (6 - (6 \times 66))) + ((6+6)/6)) + 6) \\
&:= ((77-7)/7) + ((77+77) \times (77-7/7)) \\
&:= ((8+8)/8) + (8 \times (((88 \times (8+8)) - 8) + (8 \times 8))) \\
&:= (9 \times ((9+9) \times ((9 \times 9) - 9))) + (((9 \times 99) + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11715 &:= 11 \times (1111 - ((1+1) \times (1+11+11))) \\
&:= 2 + (((22+2) \times ((22^2+2)+2)) + 2/2) \\
&:= (3^{3+3}) + ((33 \times 333) - 3) \\
&:= 4 + (((4^4 \times 44) - 4/4) + 444) + 4) \\
&:= 55 \times (((5^5-5)/5) + (5+5+5)) + 5) \\
&:= 66 + (((666/6) \times (666/6-6)) - 6) \\
&:= (77/7) + ((77+77) \times (77-7/7)) \\
&:= (88/8) \times (((88 \times (8+8)) + 8)/8) + 8) \\
&:= ((9+9) \times ((9 \times ((9 \times 9) - 9)) + 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11716 &:= (11111 + (111^{1+1}))/ (1+1) \\
&:= 2 + (((22+2) \times ((22^2+2)+2)) + 2) \\
&:= 3/3 + (((33 \times 333) - 3) + (3^{3+3})) \\
&:= 4 + (((4^4 \times 44) + 444) + 4) \\
&:= 5/5 + (55 \times (((5^5-5)/5) + (5+5+5)) + 5) \\
&:= 6 + (((6-6 \times 6) \times (6 - (6 \times 66))) + ((66-6)/6)) \\
&:= ((7+7)/7) \times (((77 \times 77) - (7/7+77)) + 7) \\
&:= 8 + ((888/((8+8)/8)) + (8 \times (88 \times (8+8)))) \\
&:= (99 \times (99+9)) + (((9+9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11717 &:= 1 + ((11111 + (111^{1+1}))/ (1+1)) \\
&:= 2 + (((22+2) \times ((22^2+2)+2)) + 2/2) + 2) \\
&:= (3^{3+3}) + ((33 \times 333) - 3/3) \\
&:= 4 + ((44 \times (4^4-4)) + ((4/4+4)^4)) \\
&:= 5 + ((5 \times (5 - ((5-5/5)^5))) + (((5+5)/5) + 5^5)) \\
&:= 6 + (((6-6 \times 6) \times (6 - (6 \times 66))) + (66/6)) \\
&:= 77 + (((7/7+7) + 7) \times (777-7/7)) \\
&:= 8 + (((88/8) \times (8888/8)) - (8 \times 8 \times 8)) \\
&:= (9 \times (9 \times 9)) + ((99 \times (999/9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11718 &:= 1 + (1 + ((11111 + (111^{1+1}))/ (1+1))) \\
&:= 2 + (((22+2) \times ((22^2+2)+2)) + 2) + 2) \\
&:= 3 \times ((3+3) \times ((3 \times ((3+3)^3)) + 3)) \\
&:= 444 + (4^4 \times 44 + ((44-4)/4)) \\
&:= (5 - (5+5)/5) \times ((5/5 - (5 \times 5^5))/(5/5-5)) \\
&:= (66 - (6+6)) \times ((6 \times 6 \times 6) + 6/6) \\
&:= 7 + (((77+77) \times (77-7/7)) + 7) \\
&:= 8 + ((8 \times (((88 \times (8+8)) - 8) + (8 \times 8))) - ((8+8)/8)) \\
&:= (9 \times (9 \times 9)) + (99 \times (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11719 &:= ((111-1)/(1+1)) + (((111-(1+1+1))^{1+1}) \\
&:= ((2/2+2)^{2+2}) + (22 \times ((22+2/2)^2)) \\
&:= 3/3 + ((33 \times 333) + (3^{3+3})) \\
&:= 444 + (4^4 \times 44 + 44/4) \\
&:= (5 \times 5^5) + ((5/5 - (5 \times 5^5))/(5-5/5)) \\
&:= 6/6 + ((66 - (6+6)) \times ((6 \times 6 \times 6) + 6/6)) \\
&:= 7 \times 7 + (((7/7+7) + 7) \times (777+7/7)) \\
&:= 8 + ((8 \times (((88 \times (8+8)) - 8) + (8 \times 8))) - 8/8) \\
&:= 9/9 + ((99 \times (999/9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11720 &:= (11 \times (1+1111)) - ((1+1)^{11-1-1}) \\
&:= 2 \times (((22+2) \times ((22^2/2)+2)) + 2) + 2) \\
&:= 3 + (((33 \times 333) - 3/3) + (3^{3+3})) \\
&:= 4 + (((4^4 \times 44) + 444) + 4) + 4) \\
&:= (55 \times (5 \times 55 - 5)) - (5^5 + 5) \\
&:= ((6+6)/6) + ((66 - (6+6)) \times ((6 \times 6 \times 6) + 6/6)) \\
&:= 77 + (((77777/7) - 7) + (7 \times 77)) \\
&:= 8 + (8 \times (((88 \times (8+8)) - 8) + (8 \times 8))) \\
&:= (9-9/9) \times (((9 \times (9 \times (9+9))) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11721 &:= 11111 + (((11 \times 111) - 1)/(1 + 1)) \\
&:= (22/2) + (((22 + 2) \times ((22^2 + 2) + 2)) - 2) \\
&:= 3 + ((33 \times 333) + (3^{3+3})) \\
&:= 4 + (((44 \times (4^4 - 4)) + ((4/4 + 4^4))) + 4) \\
&:= 55 + (55555/5 + 555) \\
&:= 66 + ((666/6) \times (666/6 - 6)) \\
&:= 77 + ((777 \times ((7/7 + 7) + 7)) - (77/7)) \\
&:= 8 + ((8 \times (((88 \times (8 + 8)) - 8) + (8 \times 8))) + 8/8) \\
&:= 9 \times 9 + ((99 - ((9 + 9)/9)) \times ((999/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11722 &:= 11111 + ((1 + (11 \times 111))/(1 + 1)) \\
&:= (22 \times (((22 + 2/2)^2) + 2) + 2) - (2 + 2) \\
&:= 3 + (((33 \times 333) + (3^{3+3})) + 3/3) \\
&:= ((4^4 - 4/4) \times (((4 + 4)/4) + 44)) - (4 + 4) \\
&:= ((5 + 5)/5) + ((55 \times (5 \times 55 - 5)) - (5^5 + 5)) \\
&:= (((6 + 6)/6)^6) + ((6 \times (6 \times (6 \times (66 - (6 + 6)))))) - 6) \\
&:= (((7 + 7)/7)^{7+7}) + (777 \times (7/7 - 7)) \\
&:= 8 + ((8 \times (((88 \times (8 + 8)) - 8) + (8 \times 8))) + ((8 + 8)/8)) \\
&:= 9 + (((99 + 9 + 9)/9) \times (((9 \times 99) + 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11723 &:= 1 + (11111 + ((1 + (11 \times 111))/(1 + 1))) \\
&:= (22/2) + ((22 + 2) \times ((22^2 + 2) + 2)) \\
&:= 3 + (((33 \times 333) - 3/3) + (3^{3+3})) + 3) \\
&:= 4 + (((4^4 \times 44) + 444) + 44/4) \\
&:= ((5^5 - (5 + 5))/5) + ((5 \times 5 - 5) \times 555) \\
&:= (6 \times (6 \times 6 + 66)) + (66666/6) \\
&:= (77 \times (77 + 77)) - (((7 + 7)/7)^7) + 7) \\
&:= 88/8 + (8 \times (((88 \times (8 + 8)) - 8) + (8 \times 8))) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11724 &:= (1 + 11) \times (1 + (((1 + 1)^{1+1+1}) \times (1 + (11^{1+1})))) \\
&:= (22 \times (((22 + 2/2)^2) + 2) + 2) - 2 \\
&:= 3 + (((33 \times 333) + (3^{3+3})) + 3) \\
&:= 4 \times 4 + (4^4 \times 44 + 444) \\
&:= ((5^5 - 5)/5) + ((5 \times 5 - 5) \times 555) \\
&:= 6 + ((66 - (6 + 6)) \times ((6 \times 6 \times 6) + 6/6)) \\
&:= ((7 + 7) \times 777) + (((77 \times 77) - 7)/7) \\
&:= ((88 + 8)/8) \times (((88 \times 88) + 8)/8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11725 &:= ((111 - (1 + 1))^{1+1}) - ((1 + 11) \times (1 + 1 + 11)) \\
&:= (222/2) + ((22^2 \times (22 + 2)) - 2) \\
&:= ((33 - 3/3) + 3) \times ((333 - 3/3) + 3) \\
&:= (((4^4 - 4)/4) + 4) \times ((4 \times 44) - 4/4) \\
&:= (55 \times (5 \times 55 - 5)) - 5^5 \\
&:= (6 - 6/6) \times (((6 \times (6 \times 66) - 6)) - 6/6) + 6) \\
&:= 77 + (((7 + 7)/7)^7) \times ((77 + 7) + 7) \\
&:= (8 - 8/8) \times (((8 + 8) \times (88 + 8 + 8)) + (88/8)) \\
&:= (9 \times (((9 + 9) \times ((9 \times 9) - 9)) + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11726 &:= 11 \times ((1 + 1 + 11) \times (1 + ((11 - 1 - 1)^{1+1}))) \\
&:= 22 \times (((22 + 2/2)^2) + 2) + 2) \\
&:= ((3 \times 3 + 3)^3) + (3 \times 3333 - 3/3) \\
&:= ((4^4 - 4/4) \times (((4 + 4)/4) + 44)) - 4 \\
&:= 5/5 + ((55 \times (5 \times 55 - 5)) - 5^5) \\
&:= 6 + (((66 - (6 + 6)) \times ((6 \times 6 \times 6) + 6/6)) + ((6 + 6)/6)) \\
&:= 77/7 \times ((77 \times (7 + 7)) - ((77 + 7)/7)) \\
&:= (88/8) \times (((88 \times (88 + 8)) + 8) + 8)/8) + 8) \\
&:= (9/9 + (9 \times 9)) \times ((9 \times (9 + 9)) - ((9/9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11727 &:= 11111 + (11 \times ((1 + 111)/(1 + 1))) \\
&:= (222/2) + (22^2 \times (22 + 2)) \\
&:= 3 \times (((3 + 3) \times ((3 \times (3 + 3)^3)) + 3)) + 3) \\
&:= 444/4 + (44 \times (4^4 + 4 + 4)) \\
&:= ((5 + 5)/5) + ((55 \times (5 \times 55 - 5)) - 5^5) \\
&:= 6 + (((666/6) \times (666/6 - 6)) + 66) \\
&:= 77 + ((77777/7) + (7 \times 77)) \\
&:= (8 \times 88) + ((88888/8) - 88) \\
&:= (9 \times (((9 + 9) \times ((9 \times 9) - 9)) + 9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11728 &:= ((1 + 11)^{1+1+1}) + ((11 - 1)^{1+1+1+1}) \\
&:= 2 + (22 \times (((22 + 2/2)^2) + 2) + 2) \\
&:= 3/3 + ((3 \times 3333) + ((3 \times 3 + 3)^3)) \\
&:= 4 + (((4^4 \times 44) + 444) + 4 \times 4) \\
&:= 5 + (((5 \times 5 - 5) \times 555) + ((5^5 - (5 + 5))/5)) \\
&:= (((6 + 6)/6)^6) + (6 \times (6 \times (6 \times (66 - (6 + 6)))))) \\
&:= 7 + (((777 \times ((7/7 + 7) + 7)) - (77/7)) + 77) \\
&:= 8 + ((8 \times (((88 \times (8 + 8)) - 8) + (8 \times 8))) + 8) \\
&:= (9 - 9/9) \times (((9 \times (9 \times (9 + 9))) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11729 &:= 1 + (((1 + 11)^{1+1+1}) + ((11 - 1)^{1+1+1+1})) \\
&:= 2 + ((22^2 \times (22 + 2)) + 222/2) \\
&:= (3^{3+3}) + ((33 \times 333) + (33/3)) \\
&:= 4 + (((4^4 - 4)/4) + 4) \times ((4 \times 44) - 4/4) \\
&:= 5 + (((5 \times 5 - 5) \times 555) + ((5^5 - 5)/5)) \\
&:= 66 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))))) - 6/6) \\
&:= 7 + ((777 \times (7/7 - 7)) + (((7 + 7)/7)^{7+7})) \\
&:= 8 + (((8 \times (((88 \times (8 + 8)) - 8) + (8 \times 8))) + 8/8) + 8) \\
&:= (9 \times (9 \times 9)) + ((99/9) \times (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11730 &:= (1 + 11 + 11) \times (((1 + 1)^{11-1-1}) - (1 + 1)) \\
&:= (2 \times 22 + 2) \times ((2^{2 \times (2+2)} - 2)/2) \\
&:= (3 + 3) \times (((3 \times (3 + 3))^3) + 33/3) \\
&:= (4^4 - 4/4) \times (((4 + 4)/4) + 44) \\
&:= 5 + ((55 \times (5 \times 55 - 5)) - 5^5) \\
&:= 66 + (6 \times (6 \times (6 \times (66 - (6 + 6)))))) \\
&:= (77 \times (77 + 77)) - (((7 + 7)/7)^7) \\
&:= (((8 - 8/8) + 8) + 8) \times ((8 \times 8 \times 8) - ((8 + 8)/8)) \\
&:= ((999/9) - 9) \times (((99 - ((9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11731 &:= 1 + ((1 + 11 + 11) \times (((1 + 1)^{11-1-1}) - (1 + 1))) \\
&:= 2 + (((22^2 \times (22 + 2)) + 222/2) + 2) \\
&:= 3/3 + ((3 + 3) \times (((3 \times (3 + 3))^3) + 33)/3) \\
&:= 4^4 + ((44 + 4/4) \times (4^4 - 4/4)) \\
&:= (5^5/5) + (55555/5 - 5) \\
&:= 66 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))))) + 6/6 \\
&:= 77 + ((777 \times ((7/7 + 7) + 7)) - 7/7) \\
&:= 8 + ((8 \times (((88 \times (8 + 8)) - 8) + (8 \times 8))) + (88/8)) \\
&:= 9 + (((99 + 9 + 9)/9) \times ((9 \times 99) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11732 &:= (((1 + 11) \times ((1 + 1)^{11}) - (1 + 1111))/(1 + 1) \\
&:= 2 + ((2 \times 22 + 2) \times ((2^{2 \times (2+2)} - 2/2)) \\
&:= (3 - 3/3) \times (((3 \times (3 + 3))^3) + 3/3) + 33) \\
&:= (4^4 \times (((4 + 4)/4) + 44)) - 44 \\
&:= (5 \times 5^5) - (((5/5 + 5)^5)/(5 + 5)/5) + 5) \\
&:= 66 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))))) + ((6 + 6)/6) \\
&:= 77 + (777 \times ((7/7 + 7) + 7)) \\
&:= 8 + (((88 + 8)/8) \times (((88 \times 88) + 8)/8) + 8) \\
&:= (9 \times (9 \times 9)) + ((99999/9) - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11733 &:= (1 + (((1 + 11) \times ((1 + 1)^{11}) - 1111))/(1 + 1) \\
&:= 22 + (((22 + 2) \times ((22^2 + 2) + 2)) - 2/2) \\
&:= (3 \times (3 \times (((33/3)^3) - 3^3))) - 3 \\
&:= 4/4 + ((4^4 \times (((4 + 4)/4) + 44)) - 44) \\
&:= (((55 + 5)/5) \times ((5 - 5/5)^5)) - 555 \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) - 6)) - (666/6) \\
&:= 7/7 + ((777 \times ((7/7 + 7) + 7)) + 77) \\
&:= 8 + ((8 - 8/8) \times (((8 + 8) \times (88 + 8 + 8)) + (88/8))) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9) + 9)) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11734 &:= 111 + (11111 + ((1 + 1)^{11-1-1})) \\
&:= 22 + ((22 + 2) \times ((22^2 + 2) + 2)) \\
&:= 3/3 + ((3 \times (3 \times (((33/3)^3) - 3^3))) - 3) \\
&:= 4 + ((4^4 - 4/4) \times (((4 + 4)/4) + 44)) \\
&:= ((5^5 - 5)/5) + ((5 + 5) \times (5555/5)) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - (6 + 6)))))) + (((6 + 6)/6)^6) \\
&:= 7 + (((77777/7) + (7 \times 77)) + 77) \\
&:= 8 + ((88/8) \times (((88 \times (88 + 8)) + 8) + 8)/8) + 8) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9) + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11735 &:= 11111 + (((1 + (1 + 1) \times (1 + 11))^{1+1}) - 1) \\
&:= ((22/2)^2) + ((22^2 \times (22 + 2)) - 2) \\
&:= ((33/3 + 3)^3) + (3^3 \times 333) \\
&:= 4 + (((44 + 4/4) \times (4^4 - 4/4)) + 4^4) \\
&:= 5 + (((55 \times (5 \times 55 - 5)) - 5^5) + 5) \\
&:= 6 \times 6 + (((6 - 6 \times 6) \times (6 - (6 \times 66))) - 6/6) \\
&:= ((7 + 7) \times (((77 \times 77) - 7)/7) - 7) - (77/7) \\
&:= 8 + (((88888/8) - 88) + (8 \times 88)) \\
&:= (9 \times ((9 + 9) \times ((9 \times 9) - 9) + 9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11736 &:= (1 + 11) \times (1111 - (1 + (11 \times (1 + 11)))) \\
&:= (2 + 2 + 2) \times (((2 \times 22)^2) - 2) + 22) \\
&:= 3 \times (3 \times (((33/3)^3) - 3^3)) \\
&:= 4 + ((4^4 \times (((4 + 4)/4) + 44)) - 44) \\
&:= (5^5/5) + (55555/5) \\
&:= 6 \times (((6 \times (6 \times (66 - (6 + 6)))) + 6) + 6) \\
&:= ((77 + 7)/7) \times (((7 + 7) \times (77 - 7)) - ((7 + 7)/7)) \\
&:= 88 + ((8 + 8) \times (((8 \times 88) + 8) + 8) + 8) \\
&:= (9 - 9/9) \times ((9 \times (9 \times (9 + 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11737 &:= 11 \times (11 \times (111 - (1 + 1 + 1 + 11))) \\
&:= ((22/2)^2) + (22^2 \times (22 + 2)) \\
&:= 3/3 + (3 \times (3 \times (((33/3)^3) - 3^3))) \\
&:= (44/4) \times (((4 \times 4^4) - 4/4) + 44) \\
&:= (5 \times 5^5) - (((5/5 + 5)^5)/(5 + 5)/5) \\
&:= ((6 - 6/6)^6) - (6 \times (6 \times (6 \times (6 + 6 + 6)))) \\
&:= 77/7 \times ((77 \times (7 + 7)) - (77/7)) \\
&:= (88/8) \times ((88/8) \times ((8/8 + 88) + 8)) \\
&:= 9/9 + ((9 - 9/9) \times ((9 \times (9 \times (9 + 9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11738 &:= 1 + (11 \times (11 \times (111 - (1 + 1 + 1 + 11)))) \\
&:= 2 + ((2 + 2 + 2) \times (((2 \times 22)^2) - 2) + 22)) \\
&:= 3 + (((33/3 + 3)^3) + (3^3 \times 333)) \\
&:= 4 + (((4^4 - 4/4) \times (((4 + 4)/4) + 44)) + 4) \\
&:= ((5^5 + 5 + 5)/5) + (55555/5) \\
&:= 6 \times 6 + (((6 - 6 \times 6) \times (6 - (6 \times 66))) + ((6 + 6)/6)) \\
&:= (((7/7 + 7) + 7) \times ((777 - 7/7) + 7)) - 7 \\
&:= 8 + (((8 - 8/8) + 8) + 8) \times ((8 \times 8 \times 8) - ((8 + 8)/8))) \\
&:= ((9 + 9)/9) + ((9 - 9/9) \times ((9 \times (9 \times (9 + 9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11739 &:= (1 + 1 + 11) \times (((1 + 1)^{11-1}) - (11^{1+1})) \\
&:= 2 + ((22^2 \times (22 + 2)) + ((22/2)^2)) \\
&:= 3 + (3 \times (3 \times (((33/3)^3) - 3^3))) \\
&:= (44 - 4/4) \times (((4 \times 4) + 4^4) + 4/4) \\
&:= ((55/5 + 5) + 5) \times ((555 - 5/5) + 5) \\
&:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) - 6)) - (666/6)) \\
&:= 7 + ((777 \times ((7/7 + 7) + 7)) + 77) \\
&:= (8 \times (8 + 8) + 8/8) \times (((88/8) - 8) + 88) \\
&:= ((9/9 + (9 \times 9)) + 9) \times (((999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11740 &:= 1 + ((1 + 1 + 11) \times (((1 + 1)^{11-1}) - (11^{1+1}))) \\
&:= (22 - 2) \times (((22 + 2)^2) + (22/2)) \\
&:= 3 + ((3 \times (3 \times (((33/3)^3) - 3^3))) + 3/3) \\
&:= 44 + ((44 \times (4^4 + 4)) + 4^4) \\
&:= (5 + 5) \times (((5^5 - 5)/5) - 5) + 555) \\
&:= (6 - 6/6) \times (((6 \times ((6 \times 66) - 6)) + ((6 + 6)/6)) + 6) \\
&:= (((7 - 7/7) + 7) + 7) \times ((7 \times (77 + 7)) - 7/7) \\
&:= (((8 + 8)/8) + 8) \times (((8888 - 8)/8) + (8 \times 8)) \\
&:= (9 \times (9 \times 9)) + ((99/9) \times (((9 + 9)/9) + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11741 &:= 1 + (1 + ((1 + 1 + 11) \times (((1 + 1)^{11-1}) - (11^{1+1})))) \\
&:= ((222/2)^2) - (((22 + 2)^2) + 2) + 2 \\
&:= ((3^3 - 3/3)^3) - (((3 \times (3 + 3))^3) + 3) \\
&:= ((44 + 4/4) \times ((4/4 + 4^4) + 4)) - 4 \\
&:= 5 + (55555/5 + (5^5/5)) \\
&:= 666 + (66666/6 - (6 \times 6)) \\
&:= 77 + (((7777/77) + 7)^{(7+7)/7}) \\
&:= (88 \times 88) + ((8 \times (8 \times 8 \times 8)) - ((88/8) + 88)) \\
&:= (9 \times (9 \times 9)) + ((99999/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11742 &:= (1 + (1 + (1 + 111))) \times (1 + (1 + (1 + ((11 - 1)^{1+1})))) \\
&:= 222 + ((22 - 2) \times ((22 + 2)^2)) \\
&:= 3 + ((3 \times (3 \times (((33/3)^3) - 3^3))) + 3) \\
&:= (44 \times ((44/4) + 4^4)) - (((4 + 4)/4) + 4) \\
&:= 5 + (55555/5 + ((5^5 + 5)/5)) \\
&:= 6 + (((6 - 6 \times 6) \times (6 - (6 \times 66))) + (6 \times 6)) \\
&:= 777 + (((7 + 7) \times (777 + 7)) - (77/7)) \\
&:= ((88/8) + 8) \times (((8 + 8)/8) - 88) + (8 \times 88) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11743 &:= (111^{1+1}) - (1 + (1 + ((1 + 1) \times (1 + 11))^{1+1})) \\
&:= ((222/2)^2) - (((22 + 2)^2) + 2) \\
&:= (((3^3 \times 3) + 3)/3) + ((3 \times ((3 \times 3 + 3)^3)) - 3) \\
&:= (44 \times ((44/4) + 4^4)) - (4/4 + 4) \\
&:= 5 + (55555/5 + ((5^5 + 5 + 5)/5)) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (6 \times (6 \times (6 + 6 + 6))))) \\
&:= 77 + ((777 \times ((7/7 + 7) + 7)) + (77/7)) \\
&:= (8 \times (88 - 8)) + ((88888/8) - 8) \\
&:= (9 \times (((9 + 9) \times ((9 \times 9) - 9) + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11744 &:= (111^{1+1}) - (1 + (((1 + 1) \times (1 + 11))^{1+1})) \\
&:= 2 + (((22 - 2) \times ((22 + 2)^2)) + 222) \\
&:= ((3^3 - 3/3)^3) - ((3 \times (3 + 3))^3) \\
&:= (4 + 4) \times (444 + (4 \times 4^4)) \\
&:= (((5 + 5)/5)^5) \times (((5^5 - 5)/(5 + 5)) + 55) \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) - (6 + 6))) - (((6 + 6)/6)^6) \\
&:= 7 + ((77/7) \times ((77 \times (7 + 7)) - (77/7))) \\
&:= ((8/8 + 8 + 8) \times ((8 \times 88) - 8)) - 88 \\
&:= (9 \times (((9 + 9) \times ((9 \times 9) - 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11745 &:= (111^{1+1}) - (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= ((222/2)^2) - ((22 + 2)^2) \\
&:= 3 \times ((3 \times (((33/3)^3) - 3^3)) + 3) \\
&:= (44 + 4/4) \times ((4/4 + 4^4) + 4) \\
&:= (5 \times (5^5 - (5 \times (5 \times 5 + 5)))) - (5^5 + 5) \\
&:= 6 \times 6 \times 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) \\
&:= ((7/7 + 7) + 7) \times ((777 - 7/7) + 7) \\
&:= (8/8 - 88) \times (8/8 - (8 \times (8 + 8) + 8)) \\
&:= 9 \times (((9 + 9) \times ((9 \times 9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11746 &:= 1 + ((111^{1+1}) - (((1 + 1) \times (1 + 11))^{1+1})) \\
&:= (22 \times ((2^{(2/2+2)^2}) + 22)) - 2 \\
&:= (((3^3 \times 3) + 3)/3) + (3 \times ((3 \times 3 + 3)^3)) \\
&:= (44 \times ((44/4) + 4^4)) - ((4 + 4)/4) \\
&:= 5 + ((55555/5 + (5^5/5)) + 5) \\
&:= (((6 + 6)/6)^6) + (66 \times (666/6 + 66)) \\
&:= (7 + 7) \times (((77 \times 77) - 7)/7) - 7 \\
&:= 8/8 + ((8/8 - 88) \times (8/8 - (8 \times (8 + 8) + 8))) \\
&:= 9/9 + (9 \times (((9 + 9) \times ((9 \times 9) - 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11747 &:= (11 \times ((1 + 11) \times (111 - (11 + 11)))) - 1 \\
&:= 2 + (((222/2)^2) - ((22 + 2)^2)) \\
&:= 3 + (((3^3 - 3/3)^3) - ((3 \times (3 + 3))^3)) \\
&:= (44 \times ((44/4) + 4^4)) - 4/4 \\
&:= ((55 + 5^5)/5) + (55555/5) \\
&:= (66 \times (((666 + 6)/6) + 66)) - 6/6 \\
&:= (77 \times (77 + 77)) - (777/7) \\
&:= 8 + ((8 \times (8 + 8) + 8/8) \times (((88/8) - 8) + 88)) \\
&:= ((9 + 9)/9) + (9 \times (((9 + 9) \times ((9 \times 9) - 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11748 &:= 11 \times ((1 + 11) \times (111 - (11 + 11))) \\
&:= 22 \times ((2^{(2/2+2)^2}) + 22) \\
&:= 3 + ((3 \times ((3 \times 3 + 3)^3)) + ((3^3 \times 3)/3)) \\
&:= 44 \times ((44/4) + 4^4) \\
&:= ((5 + 5)/5) \times (((5 \times ((5 + 5) \times 55)) - 5/5) + 5^5) \\
&:= 66 \times (((666 + 6)/6) + 66) \\
&:= 77/7 \times (((7 - 77)/7) + (77 \times (7 + 7))) \\
&:= (88/8) \times ((8/8 + 88) \times ((88 + 8)/8)) \\
&:= ((9 + 9 + 9)/9) + (9 \times (((9 + 9) \times ((9 \times 9) - 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11749 &:= ((111 - (1 + 1))^{1+1}) - (11 \times (1 + 11)) \\
&:= 2 + (((222/2)^2) - ((22 + 2)^2)) + 2 \\
&:= 3 + (((3^3 \times 3) + 3)/3) + (3 \times ((3 \times 3 + 3)^3)) \\
&:= 4/4 + (44 \times ((44/4) + 4^4)) \\
&:= (5 \times (5^5 - (5 \times 5))) - (((5^5 + 5)/5) + 5^5) \\
&:= 6/6 + (66 \times (((666 + 6)/6) + 66)) \\
&:= ((7 + 7) \times ((77 \times (77/7)) - 7)) - (77/7) \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - (((88/8) + 8) + 8) \\
&:= (9 \times (9 \times 9)) + ((9/9 + 9) \times (9999/9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11750 &:= 1 + (((111 - (1 + 1))^{1+1}) - (11 \times (1 + 11))) \\
&:= 2 + (22 \times ((2^{(2/2+2)^2}) + 22)) \\
&:= 3 + (((3^3 - 3/3)^3) - ((3 \times (3 + 3))^3)) + 3 \\
&:= ((4 + 4)/4) + (44 \times ((44/4) + 4^4)) \\
&:= 5 \times (5 \times ((5 \times (5 \times 5 - 5)) - 5)) - 5 \\
&:= ((6 + 6)/6) + (66 \times (((666 + 6)/6) + 66)) \\
&:= ((77 - 7)/7) \times (((7 + 7) \times (77 + 7)) - 7/7) \\
&:= (((8 + 8)/8) + 8) \times ((8888/8) + (8 \times 8)) \\
&:= (9 \times ((9 \times 9) - 9)) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11751 &:= 1 + (1 + (((111 - (1 + 1))^{1+1}) - (11 \times (1 + 11)))) \\
&:= 2 + (((((222/2)^2) - ((22 + 2)^2)) + 2) + 2) \\
&:= 33 + ((33 \times 333) + (3^{3+3})) \\
&:= 4 + ((44 \times ((44/4) + 4^4)) - 4/4) \\
&:= 5/5 + (5 \times (5 \times ((5 \times (5 \times 5 - 5)) - 5)) - 5)) \\
&:= 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{6+6})) + 6 \times 6 \times 6 \\
&:= 7 + (((77/7) \times ((77 \times (7 + 7)) - (77/7))) + 7) \\
&:= (8 \times (88 - 8)) + (88888/8) \\
&:= ((99 - 9/9) \times ((999/9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11752 &:= ((1 + 11 + 11) \times (((1 + 1)^{11-1-1}) - 1)) - 1 \\
&:= 2 \times ((22 + 2 + 2) \times ((222 + 2) + 2)) \\
&:= 3 + (((((3^3 \times 3) + 3)/3) + (3 \times ((3 \times 3 + 3)^3))) + 3) \\
&:= 4 + (44 \times ((44/4) + 4^4)) \\
&:= 5 + (55555/5 + ((55 + 5^5)/5)) \\
&:= (((666 + 6) + 6)/6) \times (((666 - 6)/6) - 6) \\
&:= 7 + (((7/7 + 7) + 7) \times ((777 - 7/7) + 7)) \\
&:= (88 \times 88) + ((8 \times (8 \times 8 \times 8)) - 88) \\
&:= (9 - 9/9) \times ((9 \times (9 \times (9 + 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11753 &:= (1 + 11 + 11) \times (((1 + 1)^{11-1-1}) - 1) \\
&:= (22 + 2/2) \times ((2^{(2/2+2)^2}) - 2/2) \\
&:= 3 \times 3 + (((3^3 - 3/3)^3) - ((3 \times (3 + 3))^3)) \\
&:= 4 + ((44 \times ((44/4) + 4^4)) + 4/4) \\
&:= 5 + (55555/5 + (((55 + 5^5) + 5)/5)) \\
&:= 6 + ((66 \times (((666 + 6)/6) + 66)) - 6/6) \\
&:= 777 + ((7 + 7) \times (777 + 7)) \\
&:= (((8 - 8/8) + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) \\
&:= 9 + (9 \times ((9 + 9) \times ((9 \times 9) - 9)) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11754 &:= 1 + ((1 + 11 + 11) \times (((1 + 1)^{11-1-1}) - 1)) \\
&:= ((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) - 22 \\
&:= 3 \times (((3 \times ((33/3)^3) - 3^3) + 3) + 3) \\
&:= 4 + ((44 \times ((44/4) + 4^4)) + ((4 + 4)/4)) \\
&:= 5 + ((5 \times (5^5 - (5 \times 5))) - (((5^5 + 5)/5) + 5^5)) \\
&:= 6 + (66 \times (((666 + 6)/6) + 66)) \\
&:= 7 + ((77 \times (77 + 77)) - (777/7)) \\
&:= 8/8 + (((8 - 8/8) + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) \\
&:= 9 + (9 \times ((9 + 9) \times ((9 \times 9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11755 &:= (111 \times (111 - (1 + 1 + 1 + 1 + 1))) - 11 \\
&:= 2 + ((22 + 2/2) \times ((2^{(2/2+2)^2}) - 2/2)) \\
&:= (((3^3 \times 3) + 3)/3) + (3 \times (((3 \times 3 + 3)^3) + 3)) \\
&:= 4 + (((44 \times ((44/4) + 4^4)) - 4/4) + 4) \\
&:= 5 + (5 \times (5 \times ((5 \times (5 \times 5 - 5)) - 5)) - 5)) \\
&:= (6 - 6/6) \times ((6 \times ((6 \times 66) - 6)) + (66/6)) \\
&:= (7 - ((7 + 7)/7)) \times ((7 \times (7 \times 7 \times 7 - 7)) - 7/7) \\
&:= 8 + (((8 \times (8 + 8) + 8/8) \times ((88/8) - 8) + 88)) + 8 \\
&:= 9 + (9 \times ((9 + 9) \times ((9 \times 9) - 9)) + 9) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11756 &:= 1 + ((111 \times (111 - (1 + 1 + 1 + 1 + 1))) - 11) \\
&:= 2 + (((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) - 22) \\
&:= (3 \times ((3 + 3)^3)) + ((33333/3) - 3) \\
&:= 4 + ((44 \times ((44/4) + 4^4)) + 4) \\
&:= ((555/5) \times ((555/5) - 5)) - (5 + 5) \\
&:= 6 + ((66 \times (((666 + 6)/6) + 66)) + ((6 + 6)/6)) \\
&:= 7 + (((7 + 7) \times ((77 \times (77/7)) - 7)) - (77/7)) \\
&:= 8 + (((88 \times 88)/(8 + 8)) + (8 \times (88 \times (8 + 8)))) \\
&:= (99/9) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11757 &:= 1111 + (((11 + 11)^{1+1+1}) - (1 + 1)) \\
&:= (22^{2/2+2}) + ((2222/2) - 2) \\
&:= ((333 + 3) \times ((33 - 3/3) + 3)) - 3 \\
&:= 4 + (((44 \times ((44/4) + 4^4)) + 4/4) + 4) \\
&:= (((5 + 5)/5)^5) + ((55 \times (5 \times 55 - 5)) - 5^5) \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - (((666/6) + 6) + 6) \\
&:= (((777 - 7)/7)^{(7+7)/7}) - (7 \times 7 \times 7) \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - ((88/8) + 8) \\
&:= ((99 + 9)/9) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11758 &:= 1111 + (((11 + 11)^{1+1+1}) - 1) \\
&:= (22 + 2) \times (((22^2 + 2) + 2) + 2) - 2 \\
&:= 3 + ((3 \times (((3 \times 3 + 3)^3) + 3)) + (((3^3 \times 3) + 3)/3)) \\
&:= ((44 - 4)/4) + (44 \times ((44/4) + 4^4)) \\
&:= ((555 + 5) \times ((55/5 + 5) + 5)) - ((5 + 5)/5) \\
&:= (((6 + 6)/6)^6) + (((6 - 6 \times 6) \times (6 - (6 \times 66))) - 6) \\
&:= ((7 + 7)/7) \times ((77 \times 77) - (7/7 + (7 \times 7))) \\
&:= 8 + (((8 + 8)/8) + 8) \times ((8888/8) + (8 \times 8)) \\
&:= (9 \times ((9 \times 9) - 9)) + ((9/9 + 9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11759 &:= 1111 + ((11 + 11)^{1+1+1}) \\
&:= (22^{2/2+2}) + (2222/2) \\
&:= (3 \times ((3 + 3)^3)) + (33333/3) \\
&:= (44/4) + (44 \times ((44/4) + 4^4)) \\
&:= (55/5) \times (((5 - 5/5)^5) - (5 + 5)) + 55 \\
&:= (66/6) \times ((6 \times (6 \times (6 \times 6 - 6))) - (66/6)) \\
&:= ((7 + 7) \times ((77 \times (77/7)) - 7)) - 7/7 \\
&:= 8 + ((88888/8) + (8 \times (88 - 8))) \\
&:= (9 \times ((9 \times 9) - 9)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11760 &:= ((111 - (1 + 1))^{1+1}) - (11^{1+1}) \\
&:= (22 + 2) \times (((22^2 + 2) + 2) + 2) \\
&:= (333 + 3) \times ((33 - 3/3) + 3) \\
&:= (4 + 4 + 4) \times ((4 \times 4^4) - 44) \\
&:= (555 + 5) \times ((55/5 + 5) + 5) \\
&:= 66 + (((6 - 6 \times 6) \times (6 - (6 \times 66))) - 6) \\
&:= (7 + 7) \times ((77 \times (77/7)) - 7) \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - (8 + 8) \\
&:= (99 - 9/9) \times ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11761 &:= 1 + (((111 - (1 + 1))^{1+1}) - (11^{1+1})) \\
&:= 2 + ((22^{2/2+2}) + (2222/2)) \\
&:= 3/3 + ((333 + 3) \times ((33 - 3/3) + 3)) \\
&:= 4/4 + ((4 + 4 + 4) \times ((4 \times 4^4) - 44)) \\
&:= ((5^5 - 5)/5 - 5) \times ((5 \times 5) - (5/5 + 5)) \\
&:= (6^{6-6/6}) + ((6 \times 666) - (66/6)) \\
&:= 7/7 + ((7 + 7) \times ((77 \times (77/7)) - 7)) \\
&:= 8 + (((8 - 8/8) + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) \\
&:= 9 + ((9 - 9/9) \times ((9 \times (9 \times (9 + 9))) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11762 &:= 1 + (1 + (((111 - (1 + 1))^{1+1}) - (11^{1+1}))) \\
&:= 2 + ((22 + 2) \times (((22^2 + 2) + 2) + 2)) \\
&:= 3 + ((33333/3) + (3 \times ((3 + 3)^3))) \\
&:= ((4 + 4)/4) + ((4 + 4 + 4) \times ((4 \times 4^4) - 44)) \\
&:= (5 \times (5^5 + 5)) - (((5/5 + 5)^5)/(5 + 5/5)) \\
&:= ((6 - 66)/6) + ((6^{6-6/6}) + (6 \times 666)) \\
&:= ((7 + 7)/7) + ((7 + 7) \times ((77 \times (77/7)) - 7)) \\
&:= ((8 + 8)/8) + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - (8 + 8)) \\
&:= 99 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11763 &:= (11 - 1 - 1) \times (((1 + 11) \times (111 - (1 + 1))) - 1) \\
&:= 2 + (((22^{2/2+2}) + (2222/2)) + 2) \\
&:= 3 \times ((3 \times ((3 + 3)^{3+3})) + 33) \\
&:= 4 + ((44 \times ((44/4) + 4^4)) + 44/4) \\
&:= (5 \times 5^5) - (((555 + 5^5) + 5)/5) + 5^5 \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - ((666/6) + 6) \\
&:= ((77/7) \times ((77 \times (7 + 7)) - (7/7 + 7))) - 7 \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - ((88 + 8 + 8)/8) \\
&:= 99 + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11764 &:= 111 + (((111 - (1 + 1 + 1))^{1+1}) - 11) \\
&:= 2 + (((22 + 2) \times (((22^2 + 2) + 2) + 2)) + 2) \\
&:= (3/3 + 33) \times (((3/3 + 3 + 3)^3) + 3) \\
&:= 4 + ((4 + 4 + 4) \times ((4 \times 4^4) - 44)) \\
&:= 555 + (55/5 \times (((5 - 5/5)^5) - 5)) \\
&:= (((6 + 6)/6)^6) + ((6 - 6 \times 6) \times (6 - (6 \times 66))) \\
&:= 7 + (((777 - 7)/7)^{(7+7)/7}) - (7 \times 7 \times 7) \\
&:= (8/8 + 8 + 8) \times ((8 \times 88) - ((88 + 8)/8)) \\
&:= 9/9 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11765 &:= (111^{1+1}) - ((1 + 111)/(1 + 1)) \\
&:= ((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) - (22/2) \\
&:= 3 + (((33333/3) + (3 \times ((3 + 3)^3))) + 3) \\
&:= ((4^4 + 4)/4) \times (((4 \times 44) + 4/4) + 4) \\
&:= 5 + ((555 + 5) \times ((55/5 + 5) + 5)) \\
&:= (6/6 - 66) \times ((6 \times (6 - 6 \times 6)) - 6/6) \\
&:= (7 - ((7 + 7)/7)) \times ((7 \times (7 \times 7 \times 7 - 7)) + 7/7) \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - (88/8) \\
&:= 9 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9)) + 9)) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11766 &:= 111 \times (111 - (1 + 1 + 1 + 1 + 1)) \\
&:= 222 \times ((2 \times (22 + 2 + 2)) + 2/2) \\
&:= 3 + (3 \times ((3 \times ((3 + 3)^{3+3})) + 33)) \\
&:= (444/4) \times (((444 - 4)/4) - 4) \\
&:= (555/5) \times ((555/5) - 5) \\
&:= 66 + ((6 - 6 \times 6) \times (6 - (6 \times 66))) \\
&:= (777/7) \times (((7 \times (7 + 7)) + 7/7) + 7) \\
&:= ((8 - 88)/8) + (8 \times ((88 \times (8 + 8)) + (8 \times 8))) \\
&:= (999/9) \times ((99 - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11767 &:= 1 + (111 \times (111 - (1 + 1 + 1 + 1 + 1))) \\
&:= 22 + (((222/2)^2) - ((22 + 2)^2)) \\
&:= 3 + ((3/3 + 33) \times (((3/3 + 3 + 3)^3) + 3)) \\
&:= 4^4 \times 44 + (((4 + 4) \times (4^4 - 4)) - 4)/4 \\
&:= 5/5 + ((555/5) \times ((555/5) - 5)) \\
&:= 66 + (((6 - 6 \times 6) \times (6 - (6 \times 66))) + 6/6) \\
&:= 7 + ((7 + 7) \times ((77 \times (77/7)) - 7)) \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - (8/8 + 8) \\
&:= (((9 + 9)/9)^9) \times (((99 + 99) + 9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11768 &:= ((111 - (1 + 1))^{1+1}) - (1 + (1 + 111)) \\
&:= 2 + (222 \times ((2 \times (22 + 2 + 2)) + 2/2)) \\
&:= (3 \times (((3 + 3)^3) + 3)) + (33333/3) \\
&:= (4^4 \times (((4 + 4)/4) + 44)) - (4 + 4) \\
&:= ((5 + 5)/5) + ((555/5) \times ((555/5) - 5)) \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - ((666 + 6)/6) \\
&:= 7 + (((7 + 7) \times ((77 \times (77/7)) - 7)) + 7/7) \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 8 \\
&:= 9 + ((99999/9) + (9 \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11769 &:= ((111 - (1 + 1))^{1+1}) - (1 + 111) \\
&:= ((222/2 - 2)^2) - ((222 + 2)/2) \\
&:= ((33 + 3) \times (333 - (3 + 3))) - 3 \\
&:= 4 + (((4^4 + 4)/4) \times (((4 \times 44) + 4/4) + 4)) \\
&:= 5 + ((55/5 \times (((5 - 5/5)^5) - 5)) + 555) \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - (666/6) \\
&:= (((7 + 7)/7)^7) \times (((7/7 + 77) + 7) + 7) - 7 \\
&:= 8/8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 8) \\
&:= 9 + ((99 - 9/9) \times ((999/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11770 &:= ((111 - (1 + 1))^{1+1}) - 111 \\
&:= 22 \times (((22 + 2/2)^2) + 2) + 2) \\
&:= 3/3 + (((33 + 3) \times (333 - (3 + 3))) - 3) \\
&:= ((444/4) - 4) \times ((444 - 4)/4) \\
&:= 55 \times (((5^5 + 5 + 5)/(5 + 5 + 5)) + 5) \\
&:= (6^{6-6/6}) + ((6 \times 666) - ((6 + 6)/6)) \\
&:= 77/7 \times ((77 \times (7 + 7)) - (7/7 + 7)) \\
&:= ((8 + 8)/8) + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 8) \\
&:= ((99 - 9/9) + 9) \times ((999/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11771 &:= 1 + (((111 - (1 + 1))^{1+1}) - 111) \\
&:= ((2 - 222)/2) + ((222/2 - 2)^2) \\
&:= ((33 + 3) \times (333 - (3 + 3))) - 3/3 \\
&:= (4^4 \times (((4 + 4)/4) + 44)) - (4/4 + 4) \\
&:= 5 + ((555/5) \times ((555/5) - 5)) \\
&:= 666 + (66666/6 - 6) \\
&:= (77/7) + ((7 + 7) \times ((77 \times (77/7)) - 7)) \\
&:= 88/8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - (8 + 8)) \\
&:= ((99 + 9) \times ((9/9 + 99) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11772 &:= (111 - (1 + 1)) \times (111 - (1 + 1 + 1)) \\
&:= 2 \times (((2^{2 \times (2+2)}) \times (22 + 2/2)) - 2) \\
&:= (33 + 3) \times (333 - (3 + 3)) \\
&:= (4^4 \times (((4 + 4)/4) + 44)) - 4 \\
&:= (55 - 5/5) \times (((5 - (5 + 5)/5)^5) - (5 \times 5)) \\
&:= 6 \times ((6 \times 6 \times 6 \times 6) + 666) \\
&:= ((77 + 7)/7) \times (((7 + 7) \times (77 - 7)) + 7/7) \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - (8 \times 8/(8 + 8)) \\
&:= (99 + 9) \times ((9/9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11773 &:= 1 + ((111 - (1 + 1)) \times (111 - (1 + 1 + 1))) \\
&:= ((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) - (2/2 + 2) \\
&:= 3/3 + ((33 + 3) \times (333 - (3 + 3))) \\
&:= 4/4 + ((4^4 \times (((4 + 4)/4) + 44)) - 4) \\
&:= 5^5 + ((5555 - (((5 + 5)/5)^5)) + 5^5) \\
&:= 6/6 + ((6^{6-6/6}) + (6 \times 666)) \\
&:= 7 + ((777/7) \times (((7 \times (7 + 7)) + 7/7) + 7)) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 88/8) \\
&:= 9/9 + ((99 + 9) \times ((9/9 + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11774 &:= 111 + (((111 - (1 + 1 + 1))^{1+1}) - 1) \\
&:= ((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) - 2 \\
&:= 3 + (((33 + 3) \times (333 - (3 + 3))) - 3/3) \\
&:= (4^4 \times (((4 + 4)/4) + 44)) - ((4 + 4)/4) \\
&:= ((5 - 5/5)^5) + ((5 \times 5 \times 555) - 5^5) \\
&:= ((6 + 6)/6) + ((6^{6-6/6}) + (6 \times 666)) \\
&:= (7 + 7) \times (((77 \times 77) + 7/7) - 7) \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - ((8 + 8)/8) \\
&:= 99 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11775 &:= 111 + ((111 - (1 + 1 + 1))^{1+1}) \\
&:= ((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) - 2/2 \\
&:= 3 + ((33 + 3) \times (333 - (3 + 3))) \\
&:= (4^4 \times (((4 + 4)/4) + 44)) - 4/4 \\
&:= 5 \times ((5 \times ((5 \times (5 \times 5 - 5)) - 5)) - 5) + 5 \\
&:= 6 + ((6 \times (66 \times (6 \times 6 - 6))) - (666/6)) \\
&:= ((7/7 + 7) + 7) \times ((777 + 7/7) + 7) \\
&:= (8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 8/8 \\
&:= (999/9) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11776 &:= (1 + 11 + 11) \times ((1 + 1)^{11-1-1}) \\
&:= (2^{2 \times (2+2)}) \times (2 \times 22 + 2) \\
&:= ((3^3 - 3)^3) - ((3 - 3/3)^{33/3}) \\
&:= 4^4 \times (((4 + 4)/4) + 44) \\
&:= (55/5 + 5) \times ((555 + 5^5)/5) \\
&:= 666 + (66666/6 - 6/6) \\
&:= (((7 + 7)/7)^7) \times (((7/7 + 77) + 7) + 7) \\
&:= 8 \times ((88 \times (8 + 8)) + (8 \times 8)) \\
&:= (((9 + 9)/9)^9) \times (((99 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11777 &:= 1 + ((1 + 11 + 11) \times ((1 + 1)^{11-1-1})) \\
&:= 2/2 + ((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) \\
&:= 33 + (((3^3 - 3/3)^3) - ((3 \times (3 + 3))^3)) \\
&:= 4/4 + (4^4 \times (((4 + 4)/4) + 44)) \\
&:= 5 + ((55 - 5/5) \times (((5 - (5 + 5)/5)^5) - (5 \times 5))) \\
&:= 666 + (66666/6) \\
&:= 7 + ((77/7) \times ((77 \times (7 + 7)) - (7/7 + 7))) \\
&:= 8/8 + (8 \times ((88 \times (8 + 8)) + (8 \times 8))) \\
&:= 9 + (((99999/9) + (9 \times ((9 \times 9) - 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11778 &:= 1 + (1 + ((1 + 11 + 11) \times ((1 + 1)^{11-1-1}))) \\
&:= 2 + ((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) \\
&:= (33 \times ((333 - 3) + 3^3)) - 3 \\
&:= ((4 + 4)/4) + (4^4 \times (((4 + 4)/4) + 44)) \\
&:= ((5 + 5)/5) \times (((5 \times 555) - (55/5)) + 5^5) \\
&:= 6 + ((6^{6-6/6}) + (6 \times 666)) \\
&:= 7 + ((7 + 7) \times ((77 \times (77/7)) - 7)) + (77/7) \\
&:= ((8 + 8)/8) + (8 \times ((88 \times (8 + 8)) + (8 \times 8))) \\
&:= 9 + (((99 - 9/9) \times ((999/9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11779 &:= 1 + (1 + (1 + ((1 + 11 + 11) \times ((1 + 1)^{11-1-1})))) \\
&:= 2 + (((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) + 2/2) \\
&:= 3 + (((3^3 - 3)^3) - ((3 - 3/3)^{33/3})) \\
&:= 4 + ((4^4 \times (((4 + 4)/4) + 44)) - 4/4) \\
&:= (((5^5/5) - 5) \times ((5 \times 5) - (5/5 + 5))) - 5/5 \\
&:= 6 + (((6^{6-6/6}) + (6 \times 666)) + 6/6) \\
&:= (77 \times (77 + 77)) - (((7 + 7)/7) + 77) \\
&:= 88/8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 8) \\
&:= 9 + (((99 - 9/9) + 9) \times ((99/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11780 &:= 11 + (((111 - (1 + 1))^{1+1}) - (1 + 111)) \\
&:= 2 + (((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) + 2) \\
&:= (33 \times ((333 - 3) + 3^3)) - 3/3 \\
&:= 4 + (4^4 \times (((4 + 4)/4) + 44)) \\
&:= ((5^5/5) - 5) \times ((5 \times 5) - (5/5 + 5)) \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) - 6)) - (((6 + 6)/6)^6) \\
&:= (77 - 7/7) \times (7/7 + 77 + 77) \\
&:= (8 \times 8/(8 + 8)) + (8 \times ((88 \times (8 + 8)) + (8 \times 8))) \\
&:= ((9 + 9) \times 99) + (9999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11781 &:= 11 + (((111 - (1 + 1))^{1+1}) - 111) \\
&:= (((22/2)^2) - 2) \times (((22/2)^2) - 22) \\
&:= 33 \times ((333 - 3) + 3^3) \\
&:= 4 + ((4^4 \times (((4 + 4)/4) + 44)) + 4/4) \\
&:= 5 + ((55/5 + 5) \times ((555 + 5^5)/5)) \\
&:= ((66/6) + 6) \times (((6 \times 6)/(6 + 6))^6) - (6 \times 6) \\
&:= 77 \times ((77 - 7/7) + 77) \\
&:= (8/8 + 8 + 8) \times ((8 \times 88) - 88/8) \\
&:= 99 \times (((99/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11782 &:= 1 + (11 + (((111 - (1 + 1))^{1+1}) - 111)) \\
&:= 2 + (((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) + 2) + 2) \\
&:= 3/3 + (33 \times ((333 - 3) + 3^3)) \\
&:= 4 + ((4^4 \times (((4 + 4)/4) + 44)) + ((4 + 4)/4)) \\
&:= ((5 \times 55) - 5/5) \times (55 - ((55 + 5)/5)) \\
&:= 6 + ((66666/6 - 6/6) + 666) \\
&:= 7/7 + (77 \times ((77 - 7/7) + 77)) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - ((8 + 8)/8)) \\
&:= 9/9 + (((9 + 9) \times 99) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11783 &:= 11 + ((111 - (1 + 1)) \times (111 - (1 + 1 + 1))) \\
&:= 2 + (((22/2)^2) - 2) \times (((22/2)^2) - 22) \\
&:= 3 + ((33 \times ((333 - 3) + 3^3)) - 3/3) \\
&:= 4 + (((4^4 \times (((4 + 4)/4) + 44)) - 4/4) + 4) \\
&:= 5555 + (((5 + 5)/5) \times (5^5 - (55/5))) \\
&:= 6 + (66666/6 + 666) \\
&:= 7 + (((7 + 7)/7)^7) \times (((7/7 + 77) + 7) + 7) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 8/8) \\
&:= ((9 + 9)/9) + (((9 + 9) \times 99) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11784 &:= (1 + 11) \times (1 + ((11 - 1 - 1) \times (111 - (1 + 1)))) \\
&:= 2 \times (((2^{2 \times (2+2)}) \times (22 + 2/2)) + 2) + 2) \\
&:= 3 + (33 \times ((333 - 3) + 3^3)) \\
&:= 4 + ((4^4 \times (((4 + 4)/4) + 44)) + 4) \\
&:= 5 + (((5^5/5) - 5) \times ((5 \times 5) - (5/5 + 5))) - 5/5) \\
&:= 6 + (((6^{6-6}/6) + (6 \times 666)) + 6) \\
&:= 7 + (((77/7) \times ((77 \times (7 + 7)) - (7/7 + 7))) + 7) \\
&:= 8 + (8 \times ((88 \times (8 + 8)) + (8 \times 8))) \\
&:= 9 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11785 &:= (11^{1+1}) + ((111 - (1 + 1 + 1))^{1+1}) \\
&:= ((22/2)^2) + ((22 + 2) \times (22^2 + 2)) \\
&:= 3 + ((33 \times ((333 - 3) + 3^3)) + 3/3) \\
&:= (4/4 + 4) \times (((4 - 4/4) + 4)^4) - 44 \\
&:= 5 + (((5^5/5) - 5) \times ((5 \times 5) - (5/5 + 5))) \\
&:= ((6 - 6/6)^6) + ((6 - 66) \times (((6 + 6)/6)^6)) \\
&:= ((77/7) \times (((77 \times (7 + 7)) - 7) + 7/7)) - 7 \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) + 8/8) \\
&:= 9 + (((9 + 9)/9)^9) \times (((99 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11786 &:= 1 + ((11^{1+1}) + ((111 - (1 + 1 + 1))^{1+1})) \\
&:= ((22 + 2) \times ((2 \times (2 + 2)) + 22^2)) - 22 \\
&:= 3 + (((33 \times ((333 - 3) + 3^3)) - 3/3) + 3) \\
&:= ((44 - 4)/4) + (4^4 \times (((4 + 4)/4) + 44)) \\
&:= 5 + (((55/5 + 5) \times ((555 + 5^5)/5)) + 5) \\
&:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) - 6)) - (((6 + 6)/6)^6)) \\
&:= ((77 - 7/7) + 7) \times (((7 + 7)/7)^7) + 7) + 7) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) + ((8 + 8)/8)) \\
&:= (((9 + 9)/9) + (9 \times 9)) \times ((9 \times (9 + 9)) - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11787 &:= 11 + ((1 + 11 + 11) \times ((1 + 1)^{11-1-1})) \\
&:= (22/2) + ((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) \\
&:= 3 + ((33 \times ((333 - 3) + 3^3)) + 3) \\
&:= (44/4) + (4^4 \times (((4 + 4)/4) + 44)) \\
&:= 5 + (((5 \times 55) - 5/5) \times (55 - ((55 + 5)/5))) \\
&:= 6 + (((66/6) + 6) \times (((6 \times 6)/(6 + 6))^6) - (6 \times 6)) \\
&:= 7 + ((77 - 7/7) \times (7/7 + 77 + 77)) \\
&:= 88/8 + (8 \times ((88 \times (8 + 8)) + (8 \times 8))) \\
&:= 9 + (((99 - 9/9) \times ((999/9) + 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11788 &:= 1 + (11 + ((1 + 11 + 11) \times ((1 + 1)^{11-1-1}))) \\
&:= 2 \times ((2 \times (22 \times ((22 \times (2 + 2 + 2)) + 2))) - 2) \\
&:= (3 \times ((3 + 3) \times (3^{3+3}))) - (((33/3)^3) + 3) \\
&:= (44 \times ((4^4 + 4 + 4) + 4)) - 4 \\
&:= ((5 + 5)/5) \times (((5 \times 555) - (5/5 + 5)) + 5^5) \\
&:= 666 + (66666/6 + (66/6)) \\
&:= 7 + (77 \times ((77 - 7/7) + 77)) \\
&:= ((88 + 8)/8) + (8 \times ((88 \times (8 + 8)) + (8 \times 8))) \\
&:= 9 + (((99 - 9/9) + 9) \times ((99/9) + 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11789 &:= (11 \times 1111) - ((1 + 1 + 1) \times ((1 + 11)^{1+1})) \\
&:= ((222/2 - 2)^2) - (2 \times (2 \times 22 + 2)) \\
&:= ((3 + 3) \times ((3 + 3) \times 333 - 33)) - 3/3 \\
&:= 4/4 + ((44 \times ((4^4 + 4 + 4) + 4)) - 4) \\
&:= ((5 + 5) \times ((5^5/5) + 555)) - (55/5) \\
&:= 6 + ((66666/6 + 666) + 6) \\
&:= 7 + ((77 \times ((77 - 7/7) + 77)) + 7/7) \\
&:= 8 + ((8/8 + 8 + 8) \times ((8 \times 88) - 88/8)) \\
&:= 9 + (((9 + 9) \times 99) - 9/9) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11790 &:= (11 - 1) \times ((11 - 1 - 1) \times ((11 \times (1 + 11)) - 1)) \\
&:= 222 + ((22 + 2) \times (22^2 - 2)) \\
&:= (3 + 3) \times (((3 + 3) \times 333) - 33) \\
&:= (44 + 4/4) \times (((4 + 4)/4 + 4^4) + 4) \\
&:= (5 + 5) \times (((5^5 - 5)/5) + 555) \\
&:= (6 + 6 + 6) \times (666 - 66/6) \\
&:= (7 \times (7 \times (7 + 7))) + ((7777/7) - 7) \\
&:= 8 + (((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 + 9) \times 99) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11791 &:= (111^{1+1}) - (1 + ((1 + 11 + 11)^{1+1})) \\
&:= ((222/2)^2) - ((22 \times (22 + 2)) + 2) \\
&:= (3 \times ((3 + 3) \times (3^{3+3}))) - ((33/3)^3) \\
&:= (44 \times ((4^4 + 4 + 4) + 4)) - 4/4 \\
&:= 5 \times 5 + ((555/5) \times ((555/5) - 5)) \\
&:= 6/6 + ((6 + 6 + 6) \times (666 - 66/6)) \\
&:= (((7 + 7 + 7)/7)^7) + (7 \times (7 \times ((7 + 7) \times (7 + 7)))) \\
&:= 8 + (((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 8/8) + 8) \\
&:= 9 + (((9 + 9) \times 99) + 9999) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11792 &:= (111^{1+1}) - ((1 + 11 + 11)^{1+1}) \\
&:= 2 \times (2 \times (22 \times ((22 \times (2 + 2 + 2)) + 2))) \\
&:= (33/3) + (33 \times ((333 - 3) + 3^3)) \\
&:= 44 \times ((4^4 + 4 + 4) + 4) \\
&:= (55/5 + 5) \times (((555 + 5^5) + 5)/5) \\
&:= (66 + 6/6) \times (((666 - 6)/6) + 66) \\
&:= 77/7 \times (((77 \times (7 + 7)) - 7) + 7/7) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) + 8) \\
&:= (99/9) + (((9 + 9) \times 99) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11793 &:= 1 + ((111^{1+1}) - ((1 + 11 + 11)^{1+1})) \\
&:= ((222/2)^2) - (22 \times (22 + 2)) \\
&:= 3 + ((3 + 3) \times (((3 + 3) \times 333) - 33)) \\
&:= 4/4 + (44 \times ((4^4 + 4 + 4) + 4)) \\
&:= 5^5 + ((5555 - ((55 + 5)/5)) + 5^5) \\
&:= (666/6) + (66 \times (666/6 + 66)) \\
&:= 7 + (((77 - 7/7) + 7) \times (((((7 + 7)/7)^7) + 7) + 7)) \\
&:= 8 + (((8 \times ((88 \times (8 + 8)) + (8 \times 8))) + 8/8) + 8) \\
&:= 9 + (((9 \times ((9 + 9) \times ((9 \times 9) - 9))) + (999/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11794 &:= 11111 + ((1 + ((1 + 1)^{11}))/((1 + 1 + 1))) \\
&:= 2 + (2 \times (2 \times (22 \times ((22 \times (2 + 2 + 2)) + 2)))) \\
&:= 3 + ((3 \times ((3 + 3) \times (3^{3+3}))) - ((33/3)^3)) \\
&:= ((4 + 4)/4) + (44 \times ((4^4 + 4 + 4) + 4)) \\
&:= 5^5 + ((5555 - (55/5)) + 5^5) \\
&:= 6 + ((66666/6 + 666) + (66/6)) \\
&:= 7 + (((77 - 7/7) \times (7/7 + 77 + 77)) + 7) \\
&:= 8 + (((8 \times ((88 \times (8 + 8)) + (8 \times 8))) + ((8 + 8)/8)) + 8) \\
&:= (99 \times (99 + 9)) + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11795 &:= 1 + (11111 + ((1 + ((1 + 1)^{11}))/((1 + 1 + 1)))) \\
&:= 2 + (((222/2)^2) - (22 \times (22 + 2))) \\
&:= ((33 - 3/3) + 3) \times ((333 + 3/3) + 3) \\
&:= 4 + ((44 \times ((4^4 + 4 + 4) + 4)) - 4/4) \\
&:= ((5 + 5) \times ((5^5/5) + 555)) - 5 \\
&:= (6 - 6/6) \times ((6 \times (6 \times 66)) - ((66/6) + 6)) \\
&:= 7 + ((77 \times ((77 - 7/7) + 77)) + 7) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) + (88/8)) \\
&:= (99 \times (99 + 9)) + (((9999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11796 &:= (11 \times (1 + 11)) + ((111 - (1 + 1 + 1))^{1+1}) \\
&:= 2 \times ((2 \times (22 \times ((22 \times (2 + 2 + 2)) + 2))) + 2) \\
&:= (3 \times (3 \times (((3 + 3) \times ((3 + 3)^3) + 3)) - 3)) - 3 \\
&:= 4 + (44 \times ((4^4 + 4 + 4) + 4)) \\
&:= 5/5 + (((5 + 5) \times ((5^5/5) + 555)) - 5) \\
&:= 6 + ((6 + 6 + 6) \times (666 - 66/6)) \\
&:= 7 + (((77 \times ((77 - 7/7) + 77)) + 7/7) + 7) \\
&:= 8 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) + ((88 + 8)/8)) \\
&:= ((99 + 9)/9) \times ((9 \times (99 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11797 &:= 1 + ((11 \times (1 + 11)) + ((111 - (1 + 1 + 1))^{1+1})) \\
&:= (2 \times (2 - (2 \times 22))) + ((222/2 - 2)^2) \\
&:= 3 + (((3 \times ((3 + 3) \times (3^{3+3}))) - ((33/3)^3)) + 3) \\
&:= 4 + ((44 \times ((4^4 + 4 + 4) + 4)) + 4/4) \\
&:= 5 + ((55/5 + 5) \times (((555 + 5^5) + 5)/5)) \\
&:= ((6 - 6/6)^6) + (66 \times (6 - (((6 + 6)/6)^6))) \\
&:= (7 \times (7 \times (7 + 7))) + (77777/7) \\
&:= 8 + (((8/8 + 8 + 8) \times ((8 \times 88) - 88/8)) + 8) \\
&:= (99 \times 99) + (((9 + 9)/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11798 &:= (111^{1+1}) - (11 + ((1 + 1)^{11-1-1})) \\
&:= 22 + ((2^{2 \times (2+2)}) \times (2 \times 22 + 2)) \\
&:= (3/3 + 33) \times ((333 + (33/3)) + 3) \\
&:= 4 + ((44 \times ((4^4 + 4 + 4) + 4)) + ((4 + 4)/4)) \\
&:= ((5 + 5)/5) \times (((5 \times 555) - 5/5) + 5^5) \\
&:= 6 + ((66 + 6/6) \times (((666 - 6)/6) + 66)) \\
&:= (77 \times (77 + 77)) - ((77/7) + (7 \times 7)) \\
&:= (8/8 + 8 + 8) \times (((8 - 88)/8) + (8 \times 88)) \\
&:= (99 \times 99) + (((9 + 9) \times 999) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11799 &:= (1 + 11 + 11) \times (1 + ((1 + 1)^{11-1-1})) \\
&:= (22 + 2/2) \times ((2^{(2/2+2)^2}) + 2/2) \\
&:= 3 \times (3 \times (((3 + 3) \times ((3 + 3)^3) + 3)) - 3) \\
&:= (((44/4) + 4) + 4) \times (((4/4 + 4)^4) - 4) \\
&:= (((5^5 + 5)/5) - 5) \times ((5 \times 5) - (5/5 + 5)) \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) + 6)) - ((666/6) + 6) \\
&:= 7 + ((77/7) \times (((77 \times (7 + 7)) - 7) + 7/7)) \\
&:= (((8 - 8/8) + 8) + 8) \times ((8 \times 8 \times 8) + 8/8) \\
&:= (99 \times (999/9 + 9)) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11800 &:= ((11 - 1)^{1+1}) \times ((11^{1+1}) - (1 + 1 + 1)) \\
&:= (22^{2/2+2}) + (2 \times ((22 + 2)^2)) \\
&:= 3/3 + (3 \times (3 \times (((3 + 3) \times ((3 + 3)^3) + 3)) - 3)) \\
&:= 4 + ((44 \times ((4^4 + 4 + 4) + 4)) + 4) \\
&:= (5 + 5) \times ((5^5/5) + 555) \\
&:= (6 - 6/6) \times (((6 - 66)/6) - 6) + (6 \times (6 \times 66)) \\
&:= ((777/7) + 7) \times (((7 + 7)/7) + (7 \times (7 + 7))) \\
&:= 8 + (((8 \times ((88 \times (8 + 8)) + (8 \times 8))) + 8) + 8) \\
&:= (9/9 + 99) \times (((9/9 + 99) + 9) + 9)
\end{aligned}$$

- **11801** := $1 + (((11 - 1)^{1+1}) \times ((11^{1+1}) - (1 + 1 + 1)))$
:= $((222/2) + 2)^2 - (2 \times 22^2)$
:= $((3^3 - (3/3 + 3))^3) - (333 + 33)$
:= $4 + (((44 \times ((4^4 + 4 + 4) + 4)) + 4/4) + 4)$
:= $5/5 + ((5 + 5) \times ((5^5/5) + 555))$
:= $(6 \times ((66 \times (6 \times 6 - 6)) - (6 + 6))) - (6/6 + 6)$
:= $(77 \times (77 + 77)) - ((7/7 + (7 \times 7)) + 7)$
:= $((888/8)^{(8+8)/8}) - ((8 \times 8 \times 8) + 8)$
:= $9 + (((9 + 9) \times 99) + 9999) + (99/9)$
- **11802** := $1 + (1 + (((11 - 1)^{1+1}) \times ((11^{1+1}) - (1 + 1 + 1))))$
:= $2 + ((22^{2/2+2}) + (2 \times ((22 + 2)^2)))$
:= $3 + (3 \times (3 \times ((3 + 3) \times ((3 + 3)^3 + 3)) - 3))$
:= $((44 - 4)/4) + (44 \times ((4^4 + 4 + 4) + 4))$
:= $((5 + 5)/5) + ((5 + 5) \times ((5^5/5) + 555))$
:= $(6 \times ((66 \times (6 \times 6 - 6)) - (6 + 6))) - 6$
:= $(77 \times (77 + 77)) - (7 \times 7 + 7)$
:= $8 + (((8 \times ((88 \times (8 + 8)) + (8 \times 8))) + ((8 + 8)/8)) + 8) + 8$
:= $(99 \times (99 + 9)) + ((9999 - 9)/9)$
- **11803** := $11 \times (1111 - (1 + (111/(1 + 1 + 1))))$
:= $2 + (((222/2) + 2)^2) - (2 \times 22^2)$
:= $3 + ((3 \times (3 \times ((3 + 3) \times ((3 + 3)^3 + 3)) - 3))) + 3/3$
:= $(44/4) + (44 \times ((4^4 + 4 + 4) + 4))$
:= $5^5 + ((5555 - ((5 + 5)/5)) + 5^5)$
:= $6/6 + ((6 \times ((66 \times (6 \times 6 - 6)) - (6 + 6))) - 6)$
:= $7/7 + ((77 \times (77 + 77)) - (7 \times 7 + 7))$
:= $8 + (((8 \times ((88 \times (8 + 8)) + (8 \times 8))) + (88/8)) + 8)$
:= $(99 \times (99 + 9)) + 9999/9$
- **11804** := $1 + (11 \times (1111 - (1 + (111/(1 + 1 + 1)))))$
:= $((2 + 2 + 2) \times (2^{22/2})) - 22^2$
:= $((3^3 - (3/3 + 3))^3) - (33 \times (33/3))$
:= $4 + (((44 \times ((4^4 + 4 + 4) + 4)) + 4) + 4)$
:= $5^5 + ((5555 - 5/5) + 5^5)$
:= $((6 + 6)/6) + ((6 \times ((66 \times (6 \times 6 - 6)) - (6 + 6))) - 6)$
:= $7 + ((77777/7) + (7 \times (7 \times (7 + 7))))$
:= $(8 \times 88) + ((88888/8) - 88/8)$
:= $(99 \times (99 + 9)) + ((9999 + 9)/9)$
- **11805** := $1 + (1 + (11 \times (1111 - (1 + (111/(1 + 1 + 1))))))$
:= $(2 \times (2 - 22^2)) + (((222/2) + 2)^2)$
:= $33 + ((33 + 3) \times (333 - (3 + 3)))$
:= $(4/4 + 4) \times (((4 - 4/4) + 4^4) - 44) + 4$
:= $5^5 + (5555 + 5^5)$
:= $(6 \times ((66 \times (6 \times 6 - 6)) + 6)) - (666/6)$
:= $((7/7 + 7) + 7) \times (((77 - 7)/7) + 777)$
:= $((8 - 8/8) + 8) \times (((8 \times (88 + 8)) + (88/8)) + 8)$
:= $9 + (((99 + 9)/9) \times ((9 \times (99 + 9)) + (99/9)))$
- **11806** := $(1 + 1) \times (((1 + ((1 + 1 + 1)^{11-1})))/(11 - 1)) - (1 + 1)$
:= $((22 + 2) \times ((2 \times (2 + 2)) + 22^2)) - 2$
:= $3/3 + (((33 + 3) \times (333 - (3 + 3))) + 33)$
:= $((4/4 + 4^4) \times (((4 + 4)/4) + 44)) - (4 \times 4)$
:= $5^5 + ((5555 + 5/5) + 5^5)$
:= $(6^{6-6/6}) + (((6 + 6)/6)^{6+6}) - 66$
:= $7 + (((77/7) \times (((77 \times (7 + 7)) - 7) + 7/7)) + 7)$
:= $8 + ((8/8 + 8 + 8) \times (((8 - 88)/8) + (8 \times 88)))$
:= $((9 + 9) \times ((9 \times (9 \times 9) - 9) + 9)) - (99/9 + 9)$
- **11807** := $(111^{1+1}) - (1 + (1 + ((1 + 1)^{11-1-1})))$
:= $((222/2)^2) - ((2^{(2/2+2)^2}) + 2)$
:= $(3^{3+3}) + ((33333/3) - 33)$
:= $4 + ((44 \times ((4^4 + 4 + 4) + 4)) + 44/4)$
:= $5^5 + ((5555 + ((5 + 5)/5)) + 5^5)$
:= $(6 \times ((66 \times (6 \times 6 - 6)) - (6 + 6))) - 6/6$
:= $(77 \times (77 + 77)) - (((7 + 7)/7) + (7 \times 7))$
:= $(8 \times 88) + ((88888/8) - 8)$
:= $((9 + 9) \times ((9 \times (9 \times 9) - 9) + 9)) - ((9/9 + 9) + 9)$
- **11808** := $((1 + 11)^{1+1}) \times (1 + ((11 - 1 - 1)^{1+1}))$
:= $(22 + 2) \times ((2 \times (2 + 2)) + 22^2)$
:= $3 \times (((3^3 \times 3) - 3)/(3 - 3/3 + 3))$
:= $4 \times ((44 \times (((4^4 - 4)/4) + 4)) + 4)$
:= $5 + (((5555 - ((5 + 5)/5)) + 5^5) + 5^5)$
:= $6 \times ((66 \times (6 \times 6 - 6)) - (6 + 6))$
:= $(77 \times (77 + 77)) - (7/7 + (7 \times 7))$
:= $(88 + 8) \times (((888 + 88) + 8)/8)$
:= $(9 + 9) \times (((9 \times (9 \times 9) - 9)) - 9/9 + 9)$
- **11809** := $(111^{1+1}) - ((1 + 1)^{11-1-1})$
:= $((222/2)^2) - (2^{(2/2+2)^2})$
:= $3/3 + (3 \times (((3^3 \times 3) - 3)/(3 - 3/3 + 3)))$
:= $((44/4)^4) - (4 \times ((4 \times 4 \times 44) + 4))$
:= $5 + (((5555 - 5/5) + 5^5) + 5^5)$
:= $6/6 + (6 \times ((66 \times (6 \times 6 - 6)) - (6 + 6)))$
:= $(77 \times (77 + 77)) - (7 \times 7)$
:= $((888/8)^{(8+8)/8}) - (8 \times 8 \times 8)$
:= $9 + ((9/9 + 99) \times (((9/9 + 99) + 9) + 9))$
- **11810** := $1 + ((111^{1+1}) - ((1 + 1)^{11-1-1}))$
:= $2 + ((22 + 2) \times ((2 \times (2 + 2)) + 22^2))$
:= $3 + (((33333/3) - 33) + (3^3+3))$
:= $4 + (((4/4 + 4^4) \times (((4 + 4)/4) + 44)) - 4 \times 4)$
:= $5 + ((5555 + 5^5) + 5^5)$
:= $((6 + 6)/6) + (6 \times ((66 \times (6 \times 6 - 6)) - (6 + 6)))$
:= $7/7 + ((77 \times (77 + 77)) - (7 \times 7))$
:= $8/8 + (((888/8)^{(8+8)/8}) - (8 \times 8 \times 8))$
:= $((9 + 9)/9) + ((9 + 9) \times (((9 \times (9 \times 9) - 9)) - 9/9 + 9))$

$$\begin{aligned}
\blacktriangleright 11811 &:= 1 + (1 + ((111^{1+1}) - ((1+1)^{11-1-1}))) \\
&:= 2 + (((222/2)^2) - (2^{(2/2+2)^2})) \\
&:= 3 + (3 \times (((3^3 \times 3) - 3) / ((3 - 3/3) + 3))) \\
&:= 4^4 + ((44444/4) + 444) \\
&:= 5 + (((5555 + 5^5) + 5^5) + 5/5) \\
&:= (666/6) + ((6 - 6 \times 6) \times (6 - (6 \times 66))) \\
&:= ((7 + 7)/7) + ((77 \times (77 + 77)) - (7 \times 7)) \\
&:= ((8 \times (8 + 8)) - 8/8) \times (((88 - 88/8) + 8) + 8) \\
&:= 9 + (((9999 - 9)/9) + (99 \times (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11812 &:= (1 + 1) \times (1 + ((1 + ((1 + 1 + 1)^{11-1})) / (11 - 1))) \\
&:= 2 + (((22 + 2) \times ((2 \times (2 + 2)) + 22^2)) + 2) \\
&:= 3 + ((3 \times (((3^3 \times 3) - 3) / ((3 - 3/3) + 3))) + 3/3) \\
&:= 4 + ((44 \times ((4^4 + 4 + 4) + 4)) + 4 \times 4) \\
&:= 5 + (((5555 + ((5 + 5)/5)) + 5^5) + 5^5) \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - (((6 + 6)/6) + 66) \\
&:= 7 + (((7/7 + 7) + 7) \times (((77 - 7)/7) + 777)) \\
&:= ((88 \times 88) / (8 + 8)) + (8 \times ((88 \times (8 + 8)) + 8)) \\
&:= 9 + ((99 \times (99 + 9)) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11813 &:= (11 \times (1111 - (111/(1 + 1 + 1)))) - 1 \\
&:= (222/2)^2 + (2 \times (2 - (2^{2 \times (2+2)}))) \\
&:= (3^3+3) + ((33333/3) - 3^3) \\
&:= 4 + (((44/4)^4) - (4 \times ((4 \times 4 \times 44) + 4))) \\
&:= 5555 + (((5 + 5)/5) \times ((5^5 - 5/5) + 5)) \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - (66 + 6/6) \\
&:= (((7/7 + 7) + 7) \times ((77/7) + 777)) - 7 \\
&:= (8 \times 88) + ((88888/8) - ((8 + 8)/8)) \\
&:= 9 + (((9999 + 9)/9) + (99 \times (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11814 &:= 11 \times (1111 - (111/(1 + 1 + 1))) \\
&:= 22 \times (((22 + 2/2)^2) + (2 \times (2 + 2))) \\
&:= 33 + (33 \times ((333 - 3) + 3^3)) \\
&:= ((44/4)^4) - ((44/4) \times (4/4 + 4^4)) \\
&:= (55/5) \times (((5 - 5/5)^5) - 5) + 55 \\
&:= 66 \times ((6 \times (6 \times 6 - 6)) - 6/6) \\
&:= 77/7 \times (((77 \times (7 + 7)) - (77/7)) + 7) \\
&:= (8 \times 88) + ((88888/8) - 8/8) \\
&:= ((9 + 9) \times (9 \times ((9 \times 9) - 9) + 9)) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11815 &:= 1 + (11 \times (1111 - (111/(1 + 1 + 1)))) \\
&:= ((222/2)^2) - (22^2 + 22) \\
&:= (3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) + 3)))) - (33/3) \\
&:= (4 \times 4 \times 44) + (44444/4) \\
&:= 5 + (((5555 + 5^5) + 5^5) + 5) \\
&:= 6/6 + (66 \times ((6 \times (6 \times 6 - 6)) - 6/6)) \\
&:= 7 + ((77 \times (77 + 77)) - (7/7 + (7 \times 7))) \\
&:= (8 \times 88) + (88888/8) \\
&:= ((9 + 9) \times (9 \times ((9 \times 9) - 9) + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11816 &:= ((1 + 111)/(1 + 1)) \times (((1 + 1) \times 111) - 11) \\
&:= (2^{22/2}) + (2 \times (22 \times 222)) \\
&:= (3^3+3) + ((33 \times (333 + 3)) - 3/3) \\
&:= 44 + ((4^4 \times (((4 + 4)/4) + 44)) - 4) \\
&:= 5^5 + ((5555 + 55/5) + 5^5) \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - (((6 + 6)/6)^6) \\
&:= 7 + ((77 \times (77 + 77)) - (7 \times 7)) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - ((8 \times 8) + 88) \\
&:= ((9 + 9) \times (9 \times ((9 \times 9) - 9) + 9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11817 &:= 1 + (((1 + 111)/(1 + 1)) \times (((1 + 1) \times 111) - 11)) \\
&:= ((222/2 - 2)^2) - (2^{2+2+2}) \\
&:= 3 \times (3 \times (((33/3)^3) - (3 \times (3 + 3)))) \\
&:= 4^4 + (((44 + 4/4) \times (4/4 + 4^4)) - 4) \\
&:= 5^5 + ((5555 + ((55 + 5)/5)) + 5^5) \\
&:= ((666/6) + 6) \times ((66 - 6/6) + (6 \times 6)) \\
&:= 7 + (((77 \times (77 + 77)) - (7 \times 7)) + 7/7) \\
&:= 8 + (((888/8)^{(8+8)/8}) - (8 \times 8 \times 8)) \\
&:= ((9 + 9) \times (9 \times ((9 \times 9) - 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11818 &:= ((1111 + ((11 \times ((1 + 1)^{11})) - 1)) / (1 + 1)) - 1 \\
&:= 2 + ((2 \times (22 \times 222)) + (2^{22/2})) \\
&:= 3/3 + ((33 \times (333 + 3)) + (3^3+3)) \\
&:= ((4/4 + 4^4) \times (((4 + 4)/4) + 44)) - 4 \\
&:= ((5 \times 5) - (5/5 + 5)) \times (((5^5 + 5 + 5)/5) - 5) \\
&:= 6 + ((6 \times (66 \times (6 \times 6 - 6))) - (((6 + 6)/6) + 66)) \\
&:= 7 + (((77 \times (77 + 77)) - (7 \times 7)) + (7 + 7)/7) \\
&:= ((88/8) + 8) \times (((888 - 8)/8) + (8 \times 8 \times 8)) \\
&:= 9/9 + (((9 + 9) \times (9 \times ((9 \times 9) - 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11819 &:= (1111 + ((11 \times ((1 + 1)^{11})) - 1)) / (1 + 1) \\
&:= 2 + (((222/2 - 2)^2) - (2^{2+2+2})) \\
&:= 3 + (((33 \times (333 + 3)) - 3/3) + (3^3+3)) \\
&:= 4 + ((44444/4) + (4 \times 4 \times 44)) \\
&:= 555 + (55/5 \times ((5 - 5/5)^5)) \\
&:= 6 + ((6 \times (66 \times (6 \times 6 - 6))) - (66 + 6/6)) \\
&:= 7 \times 7 + ((77/7) \times ((77 \times (7 + 7)) - (7/7 + 7))) \\
&:= (8 \times (88 \times (8 + 8))) + ((8888 - 8) / (8 + 8)) \\
&:= ((9 + 9)/9) + (((9 + 9) \times (9 \times ((9 \times 9) - 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11820 &:= 11 + ((111^{1+1}) - ((1 + 1)^{11-1-1})) \\
&:= 2 \times (((2^{2 \times (2+2)}) \times (22 + 2/2)) + 22) \\
&:= 3 + ((33 \times (333 + 3)) + (3^3+3)) \\
&:= 44 + (4^4 \times (((4 + 4)/4) + 44)) \\
&:= (55 \times ((5 \times 55) - (55 + 5))) - 5 \\
&:= 6 + (66 \times ((6 \times (6 \times 6 - 6)) - 6/6)) \\
&:= ((7/7 + 7) + 7) \times ((77/7) + 777) \\
&:= ((88 + 8)/8) \times (((88 \times 88) + 8)/8 + 8) + 8 \\
&:= (9 \times (9 \times 9)) + (((999/9) \times (9/9 + 99)) - 9)
\end{aligned}$$

- **11821** := $(111^{1+1}) - (((11-1)^{1+1+1})/(1+1))$
:= $((222/2)^2) - ((2^{2+2}) + 22^2)$
:= $3 + (((33 \times (333+3)) + (3^{3+3})) + 3/3)$
:= $4^4 + ((44+4/4) \times (4/4+4^4))$
:= $55 + ((555/5) \times ((555/5) - 5))$
:= $6 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6/6)) + 6/6)$
:= $7 + ((77/7) \times (((77 \times (7+7)) - (77/7)) + 7))$
:= $((8/8+8+8) \times ((8 \times 88) - 8)) - (88/8)$
:= $9 + (((99 \times (99+9)) + 9999/9) + 9)$
- **11822** := $(1+11+11) \times (1+(1+(1+1)^{11-1-1}))$
:= $(2 \times 22 + 2) \times ((2^{2 \times (2+2)} + 2/2)$
:= $(3 \times (3 \times ((3+3) \times (((3+3)^3) + 3)))) - (3/3+3)$
:= $(4/4+4^4) \times (((4+4)/4) + 44)$
:= $((5 \times 5) - ((5+5)/5)) \times ((5^5 - 555)/5)$
:= $6 + ((6 \times (66 \times (6 \times 6 - 6))) - (((6+6)/6)^6))$
:= $((7+7)/7) \times ((77 \times 77) - (77/7+7))$
:= $((8-8/8)+8) \times ((8 \times 8 \times 8) + ((8+8)/8))$
:= $(9 \times (9 \times 9)) + ((99999/9) - (9+9))$
- **11823** := $1 + ((1+11+11) \times (1+(1+(1+1)^{11-1-1})))$
:= $2 + (((222/2)^2) - ((2^{2+2}) + 22^2))$
:= $(3 \times (3 \times ((3+3) \times (((3+3)^3) + 3)))) - 3$
:= $4/4 + ((4/4+4^4) \times (((4+4)/4) + 44))$
:= $(55 \times ((5 \times 55) - (55+5))) - ((5+5)/5)$
:= $6 + (((666/6) + 6) \times ((66-6/6) + (6 \times 6)))$
:= $7 + (((77 \times (77+77)) - (7 \times 7)) + 7)$
:= $8 + ((88888/8) + (8 \times 88))$
:= $((9+9) \times (9 \times (9 \times 9) - 9) + 9) - ((9+9+9)/9)$
- **11824** := $(11 \times (1111 - ((1+1+1) \times (1+11)))) - 1$
:= $2 + ((2 \times 22 + 2) \times ((2^{2 \times (2+2)} + 2/2))$
:= $3/3 + ((3 \times (3 \times ((3+3) \times (((3+3)^3) + 3)))) - 3)$
:= $4 \times (((44 \times 44) - 4) + (4 \times 4^4))$
:= $(55 \times ((5 \times 55) - (55+5))) - 5/5$
:= $((66-6)/6) + (66 \times ((6 \times (6 \times 6 - 6)) - 6/6))$
:= $7 + (((77 \times (77+77)) - (7 \times 7)) + 7/7 + 7)$
:= $((8/8+8+8) \times ((8 \times 88) - 8)) - 8$
:= $((9+9) \times (9 \times (9 \times 9) - 9) + 9) - ((9+9)/9)$
- **11825** := $11 \times (1111 - ((1+1+1) \times (1+11)))$
:= $((22+2/2) + 2) \times (22^2 - (22/2))$
:= $(3 \times (3 \times ((3+3) \times (((3+3)^3) + 3)))) - 3/3$
:= $((44/4)^4) - (4 \times (4 \times 4 \times 44))$
:= $55 \times ((5 \times 55) - (55+5))$
:= $(6-6/6) \times ((6 \times (6 \times 66)) - (66/6))$
:= $77/7 \times ((77 \times (7+7)) - ((7+7+7)/7))$
:= $8/8 + (((8/8+8+8) \times ((8 \times 88) - 8)) - 8)$
:= $((9+9) \times (9 \times (9 \times 9) - 9) + 9) - 9/9$
- **11826** := $1 + (11 \times (1111 - ((1+1+1) \times (1+11))))$
:= $222 + ((2+2+2) \times (((2 \times 22)^2) - 2))$
:= $3 \times (3 \times ((3+3) \times (((3+3)^3) + 3)))$
:= $4 + ((4/4+4^4) \times (((4+4)/4) + 44))$
:= $5/5 + (55 \times ((5 \times 55) - (55+5)))$
:= $6 + ((66 \times ((6 \times (6 \times 6 - 6)) - 6/6)) + 6)$
:= $(7-7/7) \times (((7+7)/7)^{77/7}) - 77$
:= $88/8 + ((88888/8) + (8 \times 88))$
:= $(9+9) \times ((9 \times (9 \times 9) - 9) + 9)$
- **11827** := $1 + (1 + (11 \times (1111 - ((1+1+1) \times (1+11))))$
:= $2 + (((22+2/2) + 2) \times (22^2 - (22/2)))$
:= $3/3 + (3 \times (3 \times ((3+3) \times (((3+3)^3) + 3))))$
:= $((44/4)^4) + (((4-(4^4 \times 44)) + 4)/4)$
:= $((5+5)/5) + (55 \times ((5 \times 55) - (55+5)))$
:= $(6 \times ((66 \times (6 \times 6 - 6)) - 6)) - ((66/6) + 6)$
:= $7 + (((7/7+7) + 7) \times ((77/7) + 777))$
:= $8 + (((8888-8)/(8+8)) + (8 \times (88 \times (8+8))))$
:= $9/9 + ((9+9) \times (9 \times (9 \times 9) - 9) + 9)$
- **11828** := $((1+1)^{11}) + (11111 - (11^{1+1+1}))$
:= $2 \times (((2 \times (2 \times (22-2)))^2) - (22^2 + 2))$
:= $3 + ((3 \times (3 \times ((3+3) \times (((3+3)^3) + 3)))) - 3/3)$
:= $4 + ((4 \times ((44 \times 44) - 4)) + ((4+4)^4))$
:= $5 + ((55 \times ((5 \times 55) - (55+5))) - ((5+5)/5))$
:= $6 + (((6 \times (66 \times (6 \times 6 - 6))) - (((6+6)/6)^6)) + 6)$
:= $((7+7)/7) \times ((77 \times 77) - ((7/7+7) + 7))$
:= $(88 \times 88) + ((8 \times (8 \times 8 \times 8)) - ((88+8)/8))$
:= $((9+9)/9) + ((9+9) \times (9 \times (9 \times 9) - 9) + 9)$
- **11829** := $11111 + (((11-1-1)^{1+1+1}) - 11)$
:= $((222/2)^2) - ((2 \times (2+2)) + 22^2)$
:= $3 + (3 \times (3 \times ((3+3) \times (((3+3)^3) + 3))))$
:= $4 + (((44/4)^4) - (4 \times (4 \times 4 \times 44)))$
:= $5 + ((55 \times ((5 \times 55) - (55+5))) - 5/5)$
:= $6 + (((666/6) + 6) \times ((66-6/6) + (6 \times 6))) + 6)$
:= $((7+7) \times ((77 \times 77) - (7+7)/7)) - 7/7$
:= $(88 \times 88) + ((8 \times (8 \times 8 \times 8)) - 88/8)$
:= $(9 \times (9 \times 9)) + ((999/9) \times (9/9+99))$
- **11830** := $(11-1) \times (1111 + (((1+11)^{1+1})/(1+1)))$
:= $22 + ((22+2) \times ((2 \times (2+2)) + 22^2))$
:= $3 + ((3 \times (3 \times ((3+3) \times (((3+3)^3) + 3)))) + 3/3)$
:= $4 + (((4/4+4^4) \times (((4+4)/4) + 44)) + 4)$
:= $5 + (55 \times ((5 \times 55) - (55+5)))$
:= $(6-6/6) \times (((6-66)/6) + (6 \times (6 \times 66)))$
:= $(7+7) \times (((77 \times 77) - (7+7))/7)$
:= $((8/8+8+8) \times ((8 \times 88) - 8)) - ((8+8)/8)$
:= $(9/9+9) \times ((9999/9-9) + (9 \times 9))$

$$\begin{aligned}
\blacktriangleright 11831 &:= ((111 - (1 + 1))^{1+1}) - (((11 - 1)^{1+1}) / (1 + 1)) \\
&:= ((222/2)^2) - (((22^2 + 2) + 2) + 2) \\
&:= ((3^3 - (3/3 + 3))^3) - (333 + 3) \\
&:= (4 \times ((4 \times 44) + 4)) + (44444/4) \\
&:= 5 + ((55 \times ((5 \times 55) - (55 + 5))) + 5/5) \\
&:= 6 + ((6 - 6/6) \times ((6 \times (6 \times 66)) - (66/6))) \\
&:= 7/7 + ((7 + 7) \times (((77 \times 77) - (7 + 7))/7)) \\
&:= ((8/8 + 8 + 8) \times ((8 \times 88) - 8)) - 8/8 \\
&:= (9 \times (9 \times 9)) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11832 &:= (1 + 1) \times (11 + ((1 + ((1 + 1 + 1)^{11-1})) / (11 - 1))) \\
&:= 2 \times (((2 \times (2 \times (22 - 2)))^2) - 22^2) \\
&:= 3 + ((3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) + 3)))) + 3) \\
&:= 44 + ((44 \times ((4^4 + 4 + 4) + 4)) - 4) \\
&:= (((5 \times 5) - (5/5 + 5)) \times ((5^5 - (5 + 5))/5)) - 5 \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) - 6)) - (6 + 6) \\
&:= ((7 + 7)/7) \times (((77 \times 77) - (7 + 7)) + 7/7) \\
&:= (8/8 + 8 + 8) \times ((8 \times 88) - 8) \\
&:= ((999/9) - 9) \times (((99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11833 &:= (111^{1+1}) - ((1 + 1) \times ((1 + 1) \times (1 + (11^{1+1})))) \\
&:= ((222/2)^2) - ((22^2 + 2) + 2) \\
&:= ((3^3 - (3/3 + 3))^3) - (333 + 3/3) \\
&:= 4 + (((44/4)^4) - (4 \times (4 \times 4 \times 44))) + 4 \\
&:= (5 \times 5^5) - ((5/5 + 5) \times (((5^5 + 5 + 5)/5) + 5)) \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) - 6)) - (66/6) \\
&:= (77 \times (77 + 77)) - ((77/7 + 7) + 7) \\
&:= 8/8 + ((8/8 + 8 + 8) \times ((8 \times 88) - 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11834 &:= (1 + (11^{1+1})) \times (111 - (1 + 1 + 1 + 11)) \\
&:= 2 + (2 \times (((2 \times (2 \times (22 - 2)))^2) - 22^2)) \\
&:= ((3^3 - (3/3 + 3))^3) - 333 \\
&:= 4 + (((4/4 + 4^4) \times (((4 + 4)/4) + 44)) + 4) + 4 \\
&:= (5^5/5) + (55/5 \times (((5 - 5/5)^5) - 5)) \\
&:= ((6 - 66)/6) + (6 \times ((66 \times (6 \times 6 - 6)) - 6)) \\
&:= ((7 + 7)/7) \times ((77 \times 77) - ((77 + 7)/7)) \\
&:= ((8 + 8)/8) + ((8/8 + 8 + 8) \times ((8 \times 88) - 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11835 &:= (111^{1+1}) - (1 + (1 + ((11 + 11)^{1+1}))) \\
&:= ((222/2)^2) - (22^2 + 2) \\
&:= 3 \times ((3 \times (3 + 3) \times (((3 + 3)^3) + 3)) + 3) \\
&:= (44 + 4/4) \times (((4^4 - 4/4) + 4) + 4) \\
&:= 5 + ((55 \times ((5 \times 55) - (55 + 5))) + 5) \\
&:= 66 + ((6 \times (66 \times (6 \times 6 - 6))) - (666/6)) \\
&:= ((7/7 + 7) + 7) \times (((77 + 7)/7) + 777) \\
&:= 88/8 + (((8/8 + 8 + 8) \times ((8 \times 88) - 8)) - 8) \\
&:= 9 + ((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11836 &:= (111^{1+1}) - (1 + ((11 + 11)^{1+1})) \\
&:= 22 \times ((2 \times ((2^{2 \times (2+2)}) + 2)) + 22) \\
&:= 3/3 + (3 \times ((3 \times ((3 + 3) \times (((3 + 3)^3) + 3))) + 3)) \\
&:= 44 + (44 \times ((4^4 + 4 + 4) + 4)) \\
&:= (55/5) + (55 \times ((5 \times 55) - (55 + 5))) \\
&:= (66/6) \times (((6666 + 6)/6) - (6 \times 6)) \\
&:= 77/7 \times ((77 \times (7 + 7)) - ((7 + 7)/7)) \\
&:= (88/8) \times (((8/8 + 88) \times ((88 + 8)/8)) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11837 &:= (111^{1+1}) - ((11 + 11)^{1+1}) \\
&:= ((222/2)^2) - 22^2 \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - 333) \\
&:= 44 + ((44 \times ((4^4 + 4 + 4) + 4)) + 4/4) \\
&:= ((5 \times 5) - (5/5 + 5)) \times (((5^5 - (5 + 5))/5)) \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) - 6)) - (6/6 + 6) \\
&:= (77 \times (77 + 77)) - (7 + 7 + 7) \\
&:= (8 - 8/8) \times (((88/8) + 8) \times (8/8 + 88)) \\
&:= (99/9) + ((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11838 &:= 1 + ((111^{1+1}) - ((11 + 11)^{1+1})) \\
&:= 222 + (22^2 \times (22 + 2)) \\
&:= 3 + (3 \times ((3 \times ((3 + 3) \times (((3 + 3)^3) + 3))) + 3)) \\
&:= 4 \times 4 + ((4/4 + 4^4) \times (((4 + 4)/4) + 44)) \\
&:= 5/5 + (((5 \times 5) - (5/5 + 5)) \times (((5^5 - (5 + 5))/5)) \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) - 6)) - 6 \\
&:= 7/7 + ((77 \times (77 + 77)) - (7 + 7 + 7)) \\
&:= (88 \times 88) + ((8 \times (8 \times 8 \times 8)) - ((8 + 8)/8)) \\
&:= ((99 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11839 &:= 1 + (1 + ((111^{1+1}) - ((11 + 11)^{1+1}))) \\
&:= 2 + (((222/2)^2) - 22^2) \\
&:= (3^{3+3}) + ((33333/3) - 3/3) \\
&:= ((4 + 4)^4) + ((4 \times (44 \times 44)) - 4/4) \\
&:= (5 \times 5^5) - ((5/5 + 5) \times (((5^5 + 5)/5) + 5)) \\
&:= 6/6 + ((6 \times ((66 \times (6 \times 6 - 6)) - 6)) - 6) \\
&:= 777 + ((77777/7) - (7 \times 7)) \\
&:= (88 \times 88) + ((8 \times (8 \times 8 \times 8)) - 8/8) \\
&:= (9 \times (9 \times 9)) + ((9/9 + 9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11840 &:= 11111 + ((11 - 1 - 1)^{1+1+1}) \\
&:= 2 + ((22^2 \times (22 + 2)) + 222) \\
&:= (3^{3+3}) + (33333/3) \\
&:= 4 \times ((44 \times 44) + (4 \times 4^4)) \\
&:= (5 + 5) \times (((5^5 - 5)/5) + 555) + 5 \\
&:= ((6 + 6)/6) + ((6 \times ((66 \times (6 \times 6 - 6)) - 6)) - 6) \\
&:= (77 \times (77 + 77)) - (77/7 + 7) \\
&:= 8 \times (((88 \times (8 + 8)) + (8 \times 8)) + 8) \\
&:= (9 \times (9 \times 9)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11841 &:= 1 + (11111 + ((11 - 1 - 1)^{1+1+1})) \\
&:= 2 + (((222/2)^2) - 2^2) + 2 \\
&:= ((3 + 3) \times ((3 \times (3 \times ((3 + 3)^3) + 3))) + 3) - 3 \\
&:= 4/4 + ((4 \times (44 \times 44)) + ((4 + 4)^4)) \\
&:= ((55/5)^{5-5/5}) - (5 \times (555 + 5)) \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) - 6)) - (6 \times 6/(6 + 6)) \\
&:= ((7 - 77)/7) + ((77 \times (77 + 77)) - 7) \\
&:= 8/8 + ((88 \times 88) + (8 \times (8 \times 8 \times 8))) \\
&:= 9/9 + ((99999/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11842 &:= 1 + (1 + (11111 + ((11 - 1 - 1)^{1+1+1}))) \\
&:= 2 + (((22^2 \times (22 + 2)) + 222) + 2) \\
&:= 3 + (((33333/3) - 3/3) + (3^{3+3})) \\
&:= ((4 + 4)^4) + ((4 \times (44 \times 44)) + ((4 + 4)/4)) \\
&:= 5 + (((5 \times 5) - (5/5 + 5)) \times ((5^5 - (5 + 5))/5)) \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) - 6)) - ((6 + 6)/6) \\
&:= ((7 + 7)/7) \times ((77 \times 77) - (7/7 + 7)) \\
&:= ((8 + 8)/8) + ((88 \times 88) + (8 \times (8 \times 8 \times 8))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)) - ((9 + 9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11843 &:= (1 + 1 + 11) \times (11 + (((11 - 1) \times (1 + 1 + 1))^{1+1})) \\
&:= 2 + (((((222/2)^2) - 2^2) + 2) + 2) \\
&:= 3 + ((33333/3) + (3^{3+3})) \\
&:= (4^4 \times (44 + 4)) - (444 + 4/4) \\
&:= (5 \times 5^5) - (((((5 + 5)/5)^5) + (5^5/5)) + 5^5) \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) - 6)) - 6/6 \\
&:= (77 \times (77 + 77)) - ((7/7 + 7) + 7) \\
&:= 88/8 + ((8/8 + 8 + 8) \times ((8 \times 88) - 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)) - 9/9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11844 &:= (1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 1 + 11)) \\
&:= (((222 - 2)/2)^2) - (2^{2 \times (2+2)}) \\
&:= (3 + 3) \times ((3 \times (3 \times ((3 + 3)^3) + 3))) + 3 \\
&:= (4^4 - 4) \times ((44 - 4/4) + 4) \\
&:= (5 \times (5^5 - 5)) - (((5^5 + 5)/5) + 5^5) + 5 \\
&:= 6 \times ((66 \times (6 \times 6 - 6)) - 6) \\
&:= (7 + 7) \times (((77 \times 77) - 7)/7) \\
&:= (88 \times 88) + ((8 \times (8 \times 8 \times 8)) + (8 \times 8/(8 + 8))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11845 &:= ((111 - (1 + 1))^{1+1}) - ((1 + 1 + 1) \times (1 + 11)) \\
&:= ((222/2 - 2)^2) - ((2 + 2 + 2)^2) \\
&:= 3/3 + ((3 + 3) \times ((3 \times (3 \times ((3 + 3)^3) + 3))) + 3) \\
&:= 4/4 + ((4^4 - 4) \times ((44 - 4/4) + 4)) \\
&:= (5 \times 5^5) - ((5/5 + 5) \times ((5^5/5) + 5)) \\
&:= 6/6 + (6 \times ((66 \times (6 \times 6 - 6)) - 6)) \\
&:= 7/7 + ((7 + 7) \times (((77 \times 77) - 7)/7)) \\
&:= 8 + ((8 - 8/8) \times (((88/8) + 8) \times (8/8 + 88))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)) + 9/9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11846 &:= (11 \times (1111 - (1 + (11 \times (1 + 1 + 1)))) - 1 \\
&:= 2 + (((222 - 2)/2)^2) - (2^{2 \times (2+2)}) \\
&:= 3 + (((33333/3) + (3^{3+3})) + 3) \\
&:= ((4 + 4)/4) + ((4^4 - 4) \times ((44 - 4/4) + 4)) \\
&:= ((5 - 5^5)/5) + ((5 \times (5^5 - 5)) - (5^5 + 5)) \\
&:= ((6 + 6)/6) + (6 \times ((66 \times (6 \times 6 - 6)) - 6)) \\
&:= ((7 + 7)/7) \times (((77 \times 77) - 7) + 7/7) \\
&:= 8 + (((88 \times 88) - ((8 + 8)/8)) + (8 \times (8 \times 8 \times 8))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11847 &:= 11 \times (1111 - (1 + (11 \times (1 + 1 + 1)))) \\
&:= 2 + (((222/2 - 2)^2) - ((2 + 2 + 2)^2)) \\
&:= 33 \times ((333 - 3/3) + 3^3) \\
&:= 4 + ((4^4 \times (44 + 4)) - (444 + 4/4)) \\
&:= (55/5) \times (5^5 - (((5 + 5)/5)^{55/5})) \\
&:= (6 \times 6/(6 + 6)) + (6 \times ((66 \times (6 \times 6 - 6)) - 6)) \\
&:= 77/7 \times ((77 \times (7 + 7)) - 7/7) \\
&:= 8 + (((88 \times 88) - 8/8) + (8 \times (8 \times 8 \times 8))) \\
&:= (99/9) \times (((99 \times 99) - (99 + 9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11848 &:= ((111 - (1 + 1))^{1+1}) - (11 \times (1 + 1 + 1)) \\
&:= 2 \times ((2 \times ((2 \times 22)^2) + 2)) + (2^{22/2}) \\
&:= 3/3 + (33 \times ((333 - 3/3) + 3^3)) \\
&:= 4 + ((4^4 - 4) \times ((44 - 4/4) + 4)) \\
&:= (5 \times (5^5 - 5)) - (((5^5 + 5 + 5)/5) + 5^5) \\
&:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) - 6)) - ((6 + 6)/6)) \\
&:= ((7 - 77)/7) + (77 \times (77 + 77)) \\
&:= 8 + ((88 \times 88) + (8 \times (8 \times 8 \times 8))) \\
&:= 9 + ((9/9 + 9) \times 9999/9) + (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11849 &:= ((1 + 1)^{11}) + ((11 \times (11 - 1 - 1))^{1+1}) \\
&:= ((222/2 - 2)^2) - (2 \times (2^{2+2})) \\
&:= 3 \times 3 + ((33333/3) + (3^{3+3})) \\
&:= 4 + (((4^4 - 4) \times ((44 - 4/4) + 4)) + 4/4) \\
&:= (5 \times (5^5 - 5)) - (((5^5 + 5)/5) + 5^5) \\
&:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) - 6)) - 6/6) \\
&:= (77 \times (77 + 77)) - ((7 + 7)/7 + 7) \\
&:= (8/8 + 8 + 8) \times (((8 \times 88) - 8) + 8/8) \\
&:= 9 + ((99999/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11850 &:= 1 + (((1 + 1)^{11}) + ((11 \times (11 - 1 - 1))^{1+1})) \\
&:= 2 \times (((2 \times 2 \times 22) - (22/2))^2) - (2 + 2) \\
&:= 3 + (33 \times ((333 - 3/3) + 3^3)) \\
&:= 4 + (((4^4 - 4) \times ((44 - 4/4) + 4)) + ((4 + 4)/4)) \\
&:= 5 \times (5^5 - ((5 \times (5 \times (5 \times 5 + 5))) + 5)) \\
&:= 6 + (6 \times ((66 \times (6 \times 6 - 6)) - 6)) \\
&:= (77 \times (77 + 77)) - (7/7 + 7) \\
&:= 8 + (((88 \times 88) + (8 \times (8 \times 8 \times 8))) + ((8 + 8)/8)) \\
&:= 9 + (((99999/9) + (9 \times (9 \times 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11851 &:= ((111 - (1 + 1))^{1+1}) - ((11 - 1) \times (1 + 1 + 1)) \\
&:= 2 + (((222/2 - 2)^2) - (2 \times (2^{2+2})) \\
&:= 3 + ((33 \times ((333 - 3/3) + 3^3)) + 3/3) \\
&:= (44/4) + ((4 \times (44 \times 44)) + ((4 + 4)^4)) \\
&:= ((5 - 5^5)/5) + ((5 \times (5^5 - 5)) - 5^5) \\
&:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) - 6)) + 6/6) \\
&:= (77 \times (77 + 77)) - 7 \\
&:= 88/8 + ((88 \times 88) + (8 \times (8 \times 8 \times 8))) \\
&:= ((99/9 + 9) \times (((9 + 9)/9)^9) + (9 \times 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11852 &:= 1 + (((111 - (1 + 1))^{1+1}) - ((11 - 1) \times (1 + 1 + 1))) \\
&:= (2 \times (((2 \times 2 \times 22) - (22/2)^2) - 2)) - 2 \\
&:= (33 \times (333 + 3^3)) - (3^3 + 3/3) \\
&:= 4 + (((4^4 - 4) \times ((44 - 4/4) + 4)) + 4) \\
&:= (5 \times (5^5 - 5)) + (((5 - 5^5) + 5)/5) - 5^5 \\
&:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) - 6)) + ((6 + 6)/6)) \\
&:= 7/7 + ((77 \times (77 + 77)) - 7) \\
&:= (88 \times 88) + (((88 + 8)/8) + (8 \times (8 \times 8 \times 8))) \\
&:= (((9 + 9)/9)^9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11853 &:= (1 + 1 + 1) \times (((1 + 1)^{1+1+1}) - (1 + ((1 + 11)^{1+1}))) \\
&:= (2^{2+2}) + (((222/2)^2) - 22^2) \\
&:= 3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) + 3)) + 3)) \\
&:= (44/4 + 4 \times 4) \times (444 - (4/4 + 4)) \\
&:= ((5 - 5/5) \times (5^5 - 5)) - ((5^5 + 5 + 5)/5) \\
&:= ((66 + 6/6) \times (666/6 + 66)) - 6 \\
&:= ((7 + 7)/7) + ((77 \times (77 + 77)) - 7) \\
&:= 88 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 88/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11854 &:= ((111 - (1 + 1))^{1+1}) - ((1 + 1 + 1)^{1+1+1}) \\
&:= 2 \times (((2 \times 2 \times 22) - (22/2)^2) - 2) \\
&:= 3/3 + (3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) + 3)) + 3))) \\
&:= (4 \times (4 + 4)) + ((4/4 + 4^4) \times (((4 + 4)/4) + 44)) \\
&:= ((5 - 5/5) \times (5^5 - 5)) - ((5^5 + 5)/5) \\
&:= ((66 - 6)/6) + (6 \times ((66 \times (6 \times 6 - 6)) - 6)) \\
&:= 7 + ((77/7) \times ((77 \times (7 + 7)) - 7/7)) \\
&:= 8 + (((88 \times 88) - ((8 + 8)/8)) + (8 \times (8 \times 8 \times 8))) + 8 \\
&:= (((9/9 + 99) + 9)^{(9+9)/9}) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11855 &:= ((111 - (1 + 1))^{1+1}) - ((1 + 1) \times (1 + 1 + 11)) \\
&:= ((222/2 - 2)^2) - (22 + 2 + 2) \\
&:= ((33/3) \times ((33 \times 33) - 33/3)) - 3 \\
&:= ((4^4 + 4) \times (44 + 4)) - ((4/4 + 4)^4) \\
&:= ((5 - 5/5) \times (5^5 - 5)) - (5^5/5) \\
&:= (66/6) + (6 \times ((66 \times (6 \times 6 - 6)) - 6)) \\
&:= (77 \times (77 + 77)) - ((7 + 7 + 7)/7) \\
&:= 8 + (((88 \times 88) - 8/8) + (8 \times (8 \times 8 \times 8))) + 8 \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11856 &:= (1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 11)) \\
&:= (22 + 2) \times (((2 \times (2 + 2)) + 22^2) + 2) \\
&:= 3 + (3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) + 3)) + 3))) \\
&:= 4 \times (((44 \times 44) + (4 \times 4^4)) + 4) \\
&:= ((5^5 - 5)/5) \times ((5 \times 5) - (5/5 + 5)) \\
&:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) - 6)) + 6) \\
&:= ((7 + 7)/7) \times ((77 \times 77) - 7/7) \\
&:= 8 + (((88 \times 88) + (8 \times (8 \times 8 \times 8))) + 8) \\
&:= ((99 + 9)/9) \times (999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11857 &:= ((111 - (1 + 1))^{1+1}) - ((1 + 1) \times (1 + 11)) \\
&:= ((222/2 - 2)^2) - (22 + 2) \\
&:= 3 + ((3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) + 3)) + 3))) + 3/3) \\
&:= (44 \times ((4 \times 4) + 4^4)) - (444/4) \\
&:= 5/5 + (((5^5 - 5)/5) \times ((5 \times 5) - (5/5 + 5))) \\
&:= 6 + (((6 \times ((66 \times (6 \times 6 - 6)) - 6)) + 6/6) + 6) \\
&:= (77 \times (77 + 77)) - 7/7 \\
&:= (88 \times (8 \times (8 + 8) + 8)) - (888/8) \\
&:= 9/9 + (((99 + 9)/9) \times (999 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11858 &:= 11 \times (11 \times (111 - 1 - 1 - 11)) \\
&:= 2 \times (((2 \times 2 \times 22) - (22/2)^2) \\
&:= (33/3) \times ((33 \times 33) - 33/3) \\
&:= ((4 + 4)/4) \times (((4 - 4/4)^4) - 4)^{(4+4)/4} \\
&:= (55/5) \times (((5 - 5/5)^5) - 5/5) + 55 \\
&:= (66/6) \times ((6 \times (6 \times (6 \times 6 - 6))) - ((6 + 6)/6)) \\
&:= 77 \times (77 + 77) \\
&:= ((8 + 8)/8) \times ((88 - 88/8)^{(8+8)/8}) \\
&:= (99/9) \times ((99/9) \times (99 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11859 &:= ((111 - (1 + 1))^{1+1}) - (11 + 11) \\
&:= ((222/2 - 2)^2) - 22 \\
&:= 33 + (3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) + 3)) + 3))) \\
&:= (((4^4 - 4)/4) + 4) \times ((4 \times 44) + 4/4) \\
&:= 5 + (((5 - 5/5) \times (5^5 - 5)) - ((5^5 + 5)/5)) \\
&:= (66 + 6/6) \times (666/6 + 66) \\
&:= 7/7 + (77 \times (77 + 77)) \\
&:= 8 + (((88 \times 88) + (8 \times (8 \times 8 \times 8))) + (88/8)) \\
&:= 99 + ((99 - 9/9) \times ((999/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11860 &:= 1 + (((111 - (1 + 1))^{1+1}) - (11 + 11)) \\
&:= 2 + (2 \times (((2 \times 2 \times 22) - (22/2)^2)) \\
&:= 3/3 + ((3 \times (3 \times (((3 + 3) \times (((3 + 3)^3) + 3)) + 3))) + 33) \\
&:= ((44 + 4) \times (4^4 - (4 + 4))) - 44 \\
&:= 5 + (((5 - 5/5) \times (5^5 - 5)) - (5^5/5)) \\
&:= (6 - 6/6) \times (((6 \times (6 \times 66)) - 6) + ((6 + 6)/6)) \\
&:= ((7 + 7)/7) + (77 \times (77 + 77)) \\
&:= (((88 + 8)/8) + 8) \times ((8 \times 88) - (888/8)) \\
&:= (99/9 + 9) \times (((9 + 9)/9)^9) + (9 \times 9)
\end{aligned}$$

- **11861** := $((111 - (1 + 1))^{1+1}) - ((1 + 1) \times (11 - 1))$
:= $2 + (((222/2 - 2)^2) - 22)$
:= $3 + ((33/3) \times ((33 \times 33) - 33/3))$
:= $4 + ((44 \times ((4 \times 4) + 4^4)) - (444/4))$
:= $5 + (((5^5 - 5)/5) \times ((5 \times 5) - (5/5 + 5)))$
:= $6 + ((6 \times ((66 \times (6 \times 6 - 6)) - 6)) + (66/6))$
:= $((7 + 7 + 7)/7) + (77 \times (77 + 77))$
:= $(88 \times (8 \times (8 + 8) + 8)) - (((88/8) + 88) + 8)$
:= $(99 \times ((999/9) + 9)) - ((9/9 + 9) + 9)$
- **11862** := $1 + (((111 - (1 + 1))^{1+1}) - ((1 + 1) \times (11 - 1)))$
:= $2 \times (((2 \times 2 \times 22) - (22/2)^2) + 2)$
:= $(3 + 3) \times ((3 \times (3 \times ((3 + 3)^3))) + 33)$
:= $4 + ((44 \times ((4 \times 4) + 4^4)) + ((4 - 444)/4))$
:= $5 + (((5^5 - 5)/5) \times ((5 \times 5) - (5/5 + 5))) + 5/5$
:= $(6 + 6 + 6) \times (666 - (6/6 + 6))$
:= $(77/7) + ((77 \times (77 + 77)) - 7)$
:= $88 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - ((8 + 8)/8))$
:= $(9 + 9) \times ((9 \times ((9 \times 9) - 9)) + (99/9))$
- **11863** := $((111 - (1 + 1))^{1+1}) - ((1 + 1) \times (11 - 1 - 1))$
:= $2 + (((222/2 - 2)^2) - 22) + 2$
:= $3/3 + ((3 + 3) \times ((3 \times (3 \times ((3 + 3)^3))) + 33))$
:= $4 + (((4^4 - 4)/4) + 4) \times ((4 \times 44) + 4/4)$
:= $(5 \times 5^5) - (((55 + 5^5) + 5)/5) + 5^5$
:= $(6 \times (66 \times (6 \times 6 - 6))) - ((66/6) + 6)$
:= $7 + (((7 + 7)/7) \times ((77 \times 77) - 7/7))$
:= $88 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) - 8/8)$
:= $((9/9 + 99) + 9)^{(9+9)/9} - (9 + 9)$
- **11864** := $1 + (((111 - (1 + 1))^{1+1}) - ((1 + 1) \times (11 - 1 - 1)))$
:= $2 + (2 \times (((2 \times 2 \times 22) - (22/2)^2) + 2))$
:= $3 + (((33/3) \times ((33 \times 33) - 33/3)) + 3)$
:= $4 + (((44 + 4) \times (4^4 - (4 + 4))) - 44)$
:= $(5 \times 5^5) - (((55 + 5^5)/5) + 5^5)$
:= $((6 - 66)/6) + ((6 \times (66 \times (6 \times 6 - 6))) - 6)$
:= $7 + ((77 \times (77 + 77)) - 7/7)$
:= $88 + (8 \times ((88 \times (8 + 8)) + (8 \times 8)))$
:= $9/9 + (((9/9 + 99) + 9)^{(9+9)/9} - (9 + 9))$
- **11865** := $(1 + (1 + 111)) \times (111 - ((1 + 1) \times (1 + 1 + 1)))$
:= $((222/2 - 2)^2) - (2^{2+2})$
:= $3 + ((3 + 3) \times ((3 \times (3 \times ((3 + 3)^3))) + 33))$
:= $((44/4)^4) + ((44 \times ((4 - 4^4)/4)) - 4)$
:= $(5 \times 5^5) - (((5^5/5) + 5^5) + 5)$
:= $6 + ((66 + 6/6) \times (666/6 + 66))$
:= $7 + (77 \times (77 + 77))$
:= $8 + ((88 \times (8 \times (8 + 8) + 8)) - (888/8))$
:= $9 + (((99 + 9)/9) \times (999 - (99/9)))$
- **11866** := $(111 \times (111 - (1 + 1 + 1 + 1))) - 11$
:= $((2 \times 22 + 2) \times ((2^{2 \times (2+2)} + 2)) - 2)$
:= $(3/3 + 33) \times (((3/3 + 3 + 3)^3) + 3) + 3$
:= $44 + ((4/4 + 4^4) \times (((4 + 4)/4) + 44))$
:= $((55/5)^{5-5/5}) - (5 \times 555)$
:= $(6^{6-6/6}) + (((6 + 6)/6)^{6+6}) - 6$
:= $7 + ((77 \times (77 + 77)) + 7/7)$
:= $(8/8 + 8 + 8) \times (((8 + 8)/8) - 8) + (8 \times 88)$
:= $((999/9) \times ((99 - 9/9) + 9)) - (99/9)$
- **11867** := $((111 - (1 + 1))^{1+1}) - (1 + 1 + 1 + 11)$
:= $2 + (((222/2 - 2)^2) - (2^{2+2}))$
:= $3^3 + ((33333/3) + (3^{3+3}))$
:= $4^4 + ((44 \times (4^4 + 4 + 4)) - (4/4 + 4))$
:= $((5/5 + 5)^5) + (((5 - 5/5)^{5/5+5}) - 5)$
:= $(6 \times (66 \times (6 \times 6 - 6))) - (6/6 + 6 + 6)$
:= $7 + ((77 \times (77 + 77)) + (7 + 7)/7)$
:= $(88 \times (8 \times (8 + 8) + 8)) - (8888/88)$
:= $9 + ((99/9) \times ((99/9) \times (99 - 9/9)))$
- **11868** := $(1 + 11) \times (((11 - 1))^{1+1+1}) - 11$
:= $(2 \times 22 + 2) \times ((2^{2 \times (2+2)} + 2))$
:= $(3 + 3) \times (((3 \times (3 + 3))^3) + 3)/3 + 33$
:= $4^4 + ((44 \times (4^4 + 4 + 4)) - 4)$
:= $(5 \times 5^5) - (((5^5 + 5 + 5)/5) + 5^5) + 5$
:= $(6 \times (66 \times (6 \times 6 - 6))) - (6 + 6)$
:= $((77 - 7)/7) + (77 \times (77 + 77))$
:= $(8 \times (8 + 8) + 8/8) \times ((8 \times 8)/(8 + 8)) + 88$
:= $((99 + 9)/9) \times (999 - (9/9 + 9))$
- **11869** := $((111 - (1 + 1))^{1+1}) - 11 - 1$
:= $((222/2 - 2)^2) - (2 \times (2 + 2 + 2))$
:= $(33 \times (333 + 3^3)) - (33/3)$
:= $((44/4)^4) + (44 \times ((4 - 4^4)/4))$
:= $(55/5) \times (((5 - 5/5)^5) + 55)$
:= $(6 \times (66 \times (6 \times 6 - 6))) - (66/6)$
:= $(77/7) + (77 \times (77 + 77))$
:= $(88/8) \times ((8 \times (8 \times (8 + 8) + 8)) - (8/8 + 8))$
:= $(99/9) \times ((999 - 9/9) + (9 \times 9))$
- **11870** := $((111 - (1 + 1))^{1+1}) - 11$
:= $((222/2 - 2)^2) - (22/2)$
:= $((3^3 - (3/3 + 3))^3) - (3 \times 3 \times 33)$
:= $4^4 + ((44 \times (4^4 + 4 + 4)) - ((4 + 4)/4))$
:= $(5 \times 5^5) - (((5^5/5) + 5^5) + 5)$
:= $(6 - 6/6) \times ((6 \times (6 \times 66)) - ((6 + 6)/6))$
:= $((7 + 7)/7) \times (((77 \times 77) - 7/7) + 7)$
:= $((8 - 88)/8) + (88 \times (((8 \times (8 + 8)) - 8/8) + 8))$
:= $(9/9 + 9) \times (((99 \times (99 + 9)) - 9)/9)$

$$\begin{aligned}
\blacktriangleright 11871 &:= 1 + (((111 - (1 + 1))^{1+1}) - 11) \\
&:= ((2 - 22)/2) + ((222/2 - 2)^2) \\
&:= 3 \times (3 \times ((33/3)^3) - (3 \times 3 + 3)) \\
&:= 4^4 + ((44 \times (4^4 + 4 + 4)) - 4/4) \\
&:= (5 \times 5^5) + (((5 - 5^5)/5) - (5^5 + 5)) \\
&:= (6^{6-6/6}) + (((6 + 6)/6)^{6+6}) - 6/6 \\
&:= 7 + (((77 \times (77 + 77)) - 7/7) + 7) \\
&:= (8/8 + 8) \times ((88 \times (8 + 8)) - (8/8 + 88)) \\
&:= (99 \times ((999/9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11872 &:= 1 + (1 + (((111 - (1 + 1))^{1+1}) - 11)) \\
&:= 2 + (((222/2 - 2)^2) - (22/2)) \\
&:= 3 + ((33 \times (333 + 3^3)) - 33/3) \\
&:= 4^4 + (44 \times (4^4 + 4 + 4)) \\
&:= ((5/5 + 5)^5) + ((5 - 5/5)^{5+5}) \\
&:= (6^{6-6/6}) + (((6 + 6)/6)^{6+6}) \\
&:= 7 + ((77 \times (77 + 77)) + 7) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - (88 + 8) \\
&:= (((9/9 + 99) + 9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11873 &:= 1 + (1 + (1 + (((111 - (1 + 1))^{1+1}) - 11))) \\
&:= ((222/2 - 2)^2) - (2 \times (2 + 2)) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - (3 \times 3 \times 33)) \\
&:= 4/4 + ((44 \times (4^4 + 4 + 4)) + 4^4) \\
&:= (5 \times 5^5) - (((5^5 + 5 + 5)/5) + 5^5) \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - (6/6 + 6) \\
&:= 7 + (((77 \times (77 + 77)) + 7/7) + 7) \\
&:= (((888 - (8 + 8))/8)^{(8+8)/8}) - 8 \\
&:= 9/9 + (((9/9 + 99) + 9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11874 &:= ((11 \times (111 + ((1 + 1)^{11}))) - 1)/(1 + 1) \\
&:= 2 + (((222/2 - 2)^2) - (22/2)) + 2 \\
&:= (33 \times (333 + 3^3)) - (3 + 3) \\
&:= 4^4 + ((44 \times (4^4 + 4 + 4)) + ((4 + 4)/4)) \\
&:= (5 \times 5^5) - (((5^5 + 5)/5) + 5^5) \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - 6 \\
&:= ((7 + 7)/7) \times (((77 \times 77) + 7/7) + 7) \\
&:= 8 + ((8/8 + 8 + 8) \times (((8 + 8)/8) - 8) + (8 \times 88)) \\
&:= 9 + (((99 + 9)/9) \times (999 - (99/9))) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11875 &:= ((111 - (1 + 1))^{1+1}) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= ((222/2 - 2)^2) - (2 + 2 + 2) \\
&:= 3/3 + ((33 \times (333 + 3^3)) - (3 + 3)) \\
&:= ((4/4 + 4)^4) \times (((44/4) + 4) + 4) \\
&:= 5 \times (5 \times (5 \times ((5 \times (5 \times 5 - 5)) - 5))) \\
&:= 6/6 + ((6 \times (66 \times (6 \times 6 - 6))) - 6) \\
&:= 7 + ((77 \times (77 + 77)) + ((77 - 7)/7)) \\
&:= 88 + ((8 \times ((88 \times (8 + 8)) + (8 \times 8))) + (88/8)) \\
&:= 99 + (((9 + 9)/9)^9) \times (((99 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11876 &:= (111 \times (111 - (1 + 1 + 1 + 1))) - 1 \\
&:= ((222/2 - 2)^2) - (2/2 + 2 + 2) \\
&:= (33 \times (333 + 3^3)) - (3/3 + 3) \\
&:= 4 + ((44 \times (4^4 + 4 + 4)) + 4^4) \\
&:= (5 \times 5^5) + (((5 - 5^5)/5) - 5^5) \\
&:= ((6 + 6)/6) + ((6 \times (66 \times (6 \times 6 - 6))) - 6) \\
&:= 7 + ((77 \times (77 + 77)) + (77/7)) \\
&:= 8 + ((8 \times (8 + 8) + 8/8) \times ((8 \times 8/(8 + 8)) + 88)) \\
&:= ((999/9) \times ((99 - 9/9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11877 &:= 111 \times (111 - (1 + 1 + 1 + 1)) \\
&:= ((222/2 - 2)^2) - (2 + 2) \\
&:= (33 \times (333 + 3^3)) - 3 \\
&:= (444/4) \times ((444/4) - 4) \\
&:= (5 \times 5^5) + (((5 - 5^5) + 5)/5) - 5^5 \\
&:= (666/6) \times ((6 \times (6 + 6 + 6)) - 6/6) \\
&:= 7 + ((77 \times (77 + 77)) + ((77 + 7)/7)) \\
&:= (888/8) \times (((88/8) + 88) + 8) \\
&:= (999/9) \times ((99 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11878 &:= ((111 - (1 + 1))^{1+1}) - (1 + 1 + 1) \\
&:= ((222/2 - 2)^2) - (2/2 + 2) \\
&:= 3/3 + ((33 \times (333 + 3^3)) - 3) \\
&:= 4/4 + ((444/4) \times ((444/4) - 4)) \\
&:= 5 + ((5 \times 5^5) - (((5^5 + 5 + 5)/5) + 5^5)) \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - ((6 + 6)/6) \\
&:= 7 + (((77 \times (77 + 77)) - 7/7) + 7) + 7 \\
&:= (88 \times (8 \times (8 + 8) + 8)) - (((8 + 8)/8) + 88) \\
&:= (99 \times ((999/9) + 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11879 &:= ((111 - (1 + 1))^{1+1}) - (1 + 1) \\
&:= ((222/2 - 2)^2) - 2 \\
&:= (33 \times (333 + 3^3)) - 3/3 \\
&:= 4 + (((4/4 + 4)^4) \times (((44/4) + 4) + 4)) \\
&:= 5 + ((5 \times 5^5) - (((5^5 + 5)/5) + 5^5)) \\
&:= (6 \times (66 \times (6 \times 6 - 6))) - 6/6 \\
&:= 7 + (((77 \times (77 + 77)) + 7) + 7) \\
&:= (8 \times (88 + 8)) + (88888/8) \\
&:= (99 \times ((999/9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11880 &:= ((111 - (1 + 1))^{1+1}) - 1 \\
&:= ((222/2 - 2)^2) - 2/2 \\
&:= 33 \times (333 + 3^3) \\
&:= (44 + 4/4) \times (4^4 + 4 + 4) \\
&:= 5 + (5 \times (5 \times (5 \times ((5 \times (5 \times 5 - 5)) - 5)))) \\
&:= 6 \times (66 \times (6 \times 6 - 6)) \\
&:= 77/7 \times ((77 \times (7 + 7)) + (7 + 7)/7) \\
&:= 88 \times (((8 \times (8 + 8)) - 8/8) + 8) \\
&:= 99 \times ((999/9) + 9)
\end{aligned}$$

- ▶ **11881** := $(111 - (1 + 1))^{1+1}$
:= $(222/2 - 2)^2$
:= $3/3 + (33 \times (333 + 3^3))$
:= $((4^4 + 4)/4 + 44)^{(4+4)/4}$
:= $((55 - 5/5) + 55)^{(5+5)/5}$
:= $6/6 + (6 \times (66 \times (6 \times 6 - 6)))$
:= $((77/7) + (7 \times (7 + 7)))^{(7+7)/7}$
:= $((888 - (8 + 8))/8)^{(8+8)/8}$
:= $((9/9 + 99) + 9)^{(9+9)/9}$
- ▶ **11882** := $1 + ((111 - (1 + 1))^{1+1})$
:= $2/2 + ((222/2 - 2)^2)$
:= $3 + ((33 \times (333 + 3^3)) - 3/3)$
:= $4/4 + (((4^4 + 4)/4) + 44)^{(4+4)/4}$
:= $5 + (((5 - 5^5) + 5)/5) - 5^5 + (5 \times 5^5)$
:= $((6 + 6)/6) + (6 \times (66 \times (6 \times 6 - 6)))$
:= $7/7 + (((77/7) + (7 \times (7 + 7)))^{(7+7)/7})$
:= $8/8 + (((888 - (8 + 8))/8)^{(8+8)/8})$
:= $9/9 + (((9/9 + 99) + 9)^{(9+9)/9})$
- ▶ **11883** := $1 + (1 + ((111 - (1 + 1))^{1+1}))$
:= $2 + ((222/2 - 2)^2)$
:= $3 + (33 \times (333 + 3^3))$
:= $444 + ((44 \times (4^4 + 4)) - 4/4)$
:= $((5 - 5/5) \times ((5 + 5)/5) + 5^5) - (5^5/5)$
:= $(6 \times 6/(6 + 6)) + (6 \times (66 \times (6 \times 6 - 6)))$
:= $7 + (((77 \times (77 + 77)) + (77/7)) + 7)$
:= $88/8 + ((88 \times (8 \times (8 + 8) + 8)) - (88 + 8))$
:= $((9 + 9)/9) + (((9/9 + 99) + 9)^{(9+9)/9})$
- ▶ **11884** := $1 + (1 + (1 + ((111 - (1 + 1))^{1+1})))$
:= $2 + (((222/2 - 2)^2) + 2/2)$
:= $3 + ((33 \times (333 + 3^3)) + 3/3)$
:= $444 + (44 \times (4^4 + 4))$
:= $5 + (((5 \times 5^5) - ((5^5 + 5)/5) + 5^5) + 5)$
:= $6 + ((6 \times (66 \times (6 \times 6 - 6))) - ((6 + 6)/6))$
:= $((7 + 7)/7) \times (((77 \times 77) - 7/7) + 7) + 7$
:= $(8 \times 8/(8 + 8)) + (88 \times ((8 \times (8 + 8)) - 8/8) + 8)$
:= $9 \times 9 + ((99 \times (99 + 9)) + 9999/9)$
- ▶ **11885** := $1 + (1 + (1 + (1 + ((111 - (1 + 1))^{1+1}))))$
:= $2 + (((222/2 - 2)^2) + 2)$
:= $3 + (((33 \times (333 + 3^3)) - 3/3) + 3)$
:= $4^4 \times 44 + (((4/4 + 4)^4) - 4)$
:= $5 + ((5 \times (5 \times (5 \times (5 \times 5 - 5) - 5))) + 5)$
:= $6 + ((6 \times (66 \times (6 \times 6 - 6))) - 6/6)$
:= $((7 + 7) \times (((77 \times 77) + 7) + 7)/7) - 7/7$
:= $8 + ((888/8) \times (((88/8) + 88) + 8))$
:= $9 + (((999/9) \times ((99 - 9/9) + 9)) - 9/9)$
- ▶ **11886** := $1 + (1 + (1 + (1 + (1 + ((111 - (1 + 1))^{1+1}))))))$
:= $2 + (((222/2 - 2)^2) + 2/2) + 2)$
:= $3 + ((33 \times (333 + 3^3)) + 3)$
:= $4/4 + (((4/4 + 4)^4) - 4) + (4^4 \times 44)$
:= $5 + (((55 - 5/5) + 55)^{(5+5)/5})$
:= $6 + (6 \times (66 \times (6 \times 6 - 6)))$
:= $(7 + 7) \times (((77 \times 77) + 7) + 7)/7$
:= $8 + ((88 \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8) + 88)$
:= $9 + ((999/9) \times ((99 - 9/9) + 9))$
- ▶ **11887** := $((1 + 1) \times (1 + 1 + 1)) + ((111 - (1 + 1))^{1+1})$
:= $2 + (((222/2 - 2)^2) + 2) + 2)$
:= $3 + (((33 \times (333 + 3^3)) + 3/3) + 3)$
:= $(44 \times ((4 \times 4) + 4^4)) - ((4 - 4/4)^4)$
:= $(5 \times 5^5) + ((5/5 + 5) \times (((5 - 5^5) + 5)/5))$
:= $6 + ((6 \times (66 \times (6 \times 6 - 6))) + 6/6)$
:= $7 + ((77/7) \times ((77 \times (7 + 7)) + ((7 + 7)/7)))$
:= $8 + ((88888/8) + (8 \times (88 + 8)))$
:= $9 + ((99 \times ((999/9) + 9)) - ((9 + 9)/9))$
- ▶ **11888** := $11 + (111 \times (111 - (1 + 1 + 1 + 1)))$
:= $((22 + 2)^{2/2+2}) - ((2 \times 22)^2)$
:= $3 \times 3 + ((33 \times (333 + 3^3)) - 3/3)$
:= $4 + ((44 \times (4^4 + 4)) + 444)$
:= $((5^5 - 5)/5) + (55/5 \times ((5 - 5/5)^5))$
:= $6 + ((6 \times (66 \times (6 \times 6 - 6))) + ((6 + 6)/6))$
:= $777 + (77777/7)$
:= $8 + (88 \times ((8 \times (8 + 8)) - 8/8) + 8)$
:= $9 + ((99 \times ((999/9) + 9)) - 9/9)$
- ▶ **11889** := $11 + (((111 - (1 + 1))^{1+1}) - (1 + 1 + 1))$
:= $(2 \times (2 + 2)) + ((222/2 - 2)^2)$
:= $3 \times ((3 \times 3 + 3) \times (333 - 3)) + 3)$
:= $4^4 \times 44 + ((4/4 + 4)^4)$
:= $(5^5/5) + (55/5 \times ((5 - 5/5)^5))$
:= $6 + ((6 \times (66 \times (6 \times 6 - 6))) + (6 \times 6/(6 + 6)))$
:= $7/7 + ((77777/7) + 777)$
:= $8 + (((888 - (8 + 8))/8)^{(8+8)/8})$
:= $9 + (99 \times ((999/9) + 9))$
- ▶ **11890** := $11 + (((111 - (1 + 1))^{1+1}) - (1 + 1))$
:= $(22/2) + (((222/2 - 2)^2) - 2)$
:= $3 \times 3 + ((33 \times (333 + 3^3)) + 3/3)$
:= $4/4 + (4^4 \times 44 + ((4/4 + 4)^4))$
:= $(5 \times 5^5) - ((555 + 55) + 5^5)$
:= $(6 - 6/6) \times ((6 \times (6 \times 66)) + ((6 + 6)/6))$
:= $7 + (((77 \times (77 + 77)) + (77/7)) + 7) + 7$
:= $8 + (((888 - (8 + 8))/8)^{(8+8)/8}) + 8/8$
:= $9 + (((9/9 + 99) + 9)^{(9+9)/9})$

$$\begin{aligned}
\blacktriangleright 11891 &:= 11 + (((111 - (1 + 1))^{1+1}) - 1) \\
&:= 2 + (((222/2 - 2)^2) + (2 \times (2 + 2))) \\
&:= (33/3) + (33 \times (333 + 3^3)) \\
&:= ((44 - 4/4) + 4) \times ((4/4 - 4) + 4^4) \\
&:= 5 + (((55 - 5/5) + 55)^{(5+5)/5}) + 5 \\
&:= (66/6) + (6 \times (66 \times (6 \times 6 - 6))) \\
&:= 77/7 \times ((77 \times (7 + 7)) + ((7 + 7 + 7)/7)) \\
&:= 88/8 + (88 \times (((8 \times (8 + 8)) - 8/8) + 8)) \\
&:= (99/9) + (99 \times ((999/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11892 &:= 11 + ((111 - (1 + 1))^{1+1}) \\
&:= (22/2) + ((222/2 - 2)^2) \\
&:= 3 + ((33 \times (333 + 3^3)) + 3 \times 3) \\
&:= 4 + (((44 \times (4^4 + 4)) + 444) + 4) \\
&:= 5 + (((5/5 + 5) \times (((5 - 5^5) + 5)/5)) + (5 \times 5^5)) \\
&:= 6 + ((6 \times (66 \times (6 \times 6 - 6))) + 6) \\
&:= 7777 + ((7 \times (7 \times (77 + 7))) - 7/7) \\
&:= 88/8 + (((888 - (8 + 8))/8)^{(8+8)/8}) \\
&:= ((99 + 9)/9) \times ((999 - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11893 &:= 1 + (11 + ((111 - (1 + 1))^{1+1})) \\
&:= (2 \times (2 + 2 + 2)) + ((222/2 - 2)^2) \\
&:= 3 + (((33 \times (333 + 3^3)) + 3 \times 3) + 3/3) \\
&:= 4 + (4^4 \times 44 + ((4/4 + 4)^4)) \\
&:= 5^5 + (((5 + 5)/5)^5) \times ((5 \times 55) - 5/5) \\
&:= 6 + (((6 \times (66 \times (6 \times 6 - 6))) + 6/6) + 6) \\
&:= 7777 + (7 \times (7 \times (77 + 7))) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - ((88/8) + (8 \times 8)) \\
&:= 9/9 + (((99 + 9)/9) \times ((999 - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11894 &:= 1 + (1 + (11 + ((111 - (1 + 1))^{1+1}))) \\
&:= 2 + (((222/2 - 2)^2) + (22/2)) \\
&:= 3 + ((33 \times (333 + 3^3)) + (33/3)) \\
&:= 4 + (((4^4 \times 44) + ((4/4 + 4)^4)) + 4/4) \\
&:= ((5^5 + 5)/5) \times ((5 \times 5) - (5/5 + 5)) \\
&:= 6 + (((6 \times (66 \times (6 \times 6 - 6))) + ((6 + 6)/6)) + 6) \\
&:= 7/7 + ((7 \times (7 \times (77 + 7))) + 7777) \\
&:= ((8 - 88)/8) + (8 \times (((88 \times (8 + 8)) - 8) + 88)) \\
&:= (9 \times 99) + ((99999/9) - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11895 &:= 1 + (1 + (1 + (11 + ((111 - (1 + 1))^{1+1})))) \\
&:= (2^{2+2}) + (((222/2 - 2)^2) - 2) \\
&:= (3 \times (3 \times ((33/3)^3) - 3 \times 3)) - 3 \\
&:= 4 + (((44 - 4/4) + 4) \times ((4/4 - 4) + 4^4)) \\
&:= ((5 - 5/5) \times (5^5 + 5)) - (5^5/5) \\
&:= (6 - 6/6) \times ((6 \times (6 \times 66)) + (6 \times 6/(6 + 6))) \\
&:= 7 + ((77777/7) + 777) \\
&:= ((8 - 8/8) + 8) \times (((8 \times 88) + 88) + 8/8) \\
&:= 9 + (((999/9) \times ((99 - 9/9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11896 &:= 1 + (1 + (1 + (1 + (11 + ((111 - (1 + 1))^{1+1})))))) \\
&:= 2 + (((222/2 - 2)^2) + (22/2)) + 2 \\
&:= 3/3 + ((3 \times (3 \times ((33/3)^3) - 3 \times 3)) - 3) \\
&:= ((44 + 4) \times (4^4 - (4 + 4))) - (4 + 4) \\
&:= ((5 - 5^5)/5) + ((5 - 5/5) \times (5^5 + 5)) \\
&:= 6 + ((6 \times (66 \times (6 \times 6 - 6))) + ((66 - 6)/6)) \\
&:= 7 \times 7 + ((77/7) \times ((77 \times (7 + 7)) - 7/7)) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - ((8 \times 8) + 8) \\
&:= (9 \times ((9 + 9) \times (9 + 9)) + 999) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11897 &:= ((1 + 1)^{1+1+1+1}) + ((111 - (1 + 1))^{1+1}) \\
&:= (2^{2+2}) + ((222/2 - 2)^2) \\
&:= (3 \times (3 \times ((33/3)^3) - 3 \times 3)) - 3/3 \\
&:= 4 + (((4^4 \times 44) + ((4/4 + 4)^4)) + 4) \\
&:= (((5 - 5^5) + 5)/5) + ((5 - 5/5) \times (5^5 + 5)) \\
&:= 6 + ((6 \times (66 \times (6 \times 6 - 6))) + (66/6)) \\
&:= 77 + (((7/7 + 7) + 7) \times ((77/7) + 777)) \\
&:= 8 + (((888 - (8 + 8))/8)^{(8+8)/8}) + 8 \\
&:= 9 + (((99 \times ((999/9) + 9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11898 &:= (11 - 1 - 1) \times (1 + (1 + (11 \times ((11^{1+1}) - 1)))) \\
&:= 2/2 + (((222/2 - 2)^2) + (2^{2+2})) \\
&:= 3 \times (3 \times ((33/3)^3) - 3 \times 3) \\
&:= ((44 + 4) \times (4^4 - (4 + 4))) - (((4 + 4)/4) + 4) \\
&:= (5 \times (5^5 + 5)) - (((5^5 + 5 + 5)/5) + 5^5) \\
&:= 6 + (((6 \times (66 \times (6 \times 6 - 6))) + 6) + 6) \\
&:= 7 + (((7 + 7) \times (777 - 7)) + (7777/7)) \\
&:= ((8 + 8)/8) + ((88 \times (8 \times (8 + 8) + 8)) - ((8 \times 8) + 8)) \\
&:= 9 + ((99 \times ((999/9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11899 &:= (((11 - 1)^{1+1}) \times ((11^{1+1}) - (1 + 1))) - 1 \\
&:= 2 + (((222/2 - 2)^2) + (2^{2+2})) \\
&:= 3/3 + (3 \times (3 \times ((33/3)^3) - 3 \times 3)) \\
&:= ((44 + 4) \times (4^4 - (4 + 4))) - (4/4 + 4) \\
&:= 5 + (((5^5 + 5)/5) \times ((5 \times 5) - (5/5 + 5))) \\
&:= 6 + (((6 \times (66 \times (6 \times 6 - 6))) + 6/6) + 6) + 6 \\
&:= 7 \times 7 + ((77 \times (77 + 77)) - (7/7 + 7)) \\
&:= 8 + ((88 \times (((8 \times (8 + 8)) - 8/8) + 8)) + (88/8)) \\
&:= 9 + (((9/9 + 99) + 9)^{(9+9)/9}) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11900 &:= ((11 - 1)^{1+1}) \times ((11^{1+1}) - (1 + 1)) \\
&:= (22 - 2) \times ((222/2) + 22^2) \\
&:= 3 + ((3 \times (3 \times ((33/3)^3) - 3 \times 3)) - 3/3) \\
&:= ((44 + 4) \times (4^4 - (4 + 4))) - 4 \\
&:= 5 \times ((5 \times (5 \times (5 \times 5 - 5)) - 5)) + 5 \\
&:= (6 - 6/6) \times (((6 \times (6 \times 66)) - ((6 + 6)/6)) + 6) \\
&:= 7 \times 7 + ((77 \times (77 + 77)) - 7) \\
&:= (8/8 + 8 + 8) \times ((8 \times 88) - (8 \times 8/(8 + 8))) \\
&:= (9/9 + 99) \times (((99/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11901 &:= 1 + (((11-1)^{1+1}) \times ((11^{1+1}) - (1+1))) \\
&:= 22 + (((222/2-2)^2) - 2) \\
&:= 3 + (3 \times (3 \times ((33/3)^3) - 3 \times 3)) \\
&:= 4/4 + (((44+4) \times (4^4 - (4+4))) - 4) \\
&:= ((5-5^5)/5) + ((5 \times (5^5+5)) - 5^5) \\
&:= 6 + ((6-6/6) \times ((6 \times (6 \times 66)) + (6 \times 6/(6+6)))) \\
&:= 7/7 + (((77 \times (77+77)) - 7) + (7 \times 7)) \\
&:= 8 + ((88 \times (8 \times (8+8) + 8)) - ((88/8) + (8 \times 8))) \\
&:= 9 + (((99+9)/9) \times ((999-9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11902 &:= 11 + (11 + (((111 - (1+1))^{1+1}) - 1)) \\
&:= 22 + (((222/2-2)^2) - 2/2) \\
&:= 3 + ((3 \times (3 \times ((33/3)^3) - 3 \times 3)) + 3/3) \\
&:= ((44+4) \times (4^4 - (4+4))) - ((4+4)/4) \\
&:= (5 \times (5^5+5)) + (((5-5^5)+5)/5) - 5^5 \\
&:= (66/6) \times ((6 \times (6 \times (6 \times 6-6))) + ((6+6)/6)) \\
&:= 7 + (((77777/7) + 777) + 7) \\
&:= (88 \times (8 \times (8+8) + 8)) - (((8+8)/8) + (8 \times 8)) \\
&:= (99/9) \times (((9+9)/9) + 999) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11903 &:= 11 + (11 + ((111 - (1+1))^{1+1})) \\
&:= 22 + ((222/2-2)^2) \\
&:= (33 \times (3^3-3)) + (33333/3) \\
&:= ((44+4) \times (4^4 - (4+4))) - 4/4 \\
&:= 5 + ((5 \times (5^5+5)) - (((5^5+5+5)/5) + 5^5)) \\
&:= (66 \times (6+6)) + (66666/6) \\
&:= 7 + (((77/7) \times ((77 \times (7+7)) - 7/7)) + (7 \times 7)) \\
&:= (88 \times (8 \times (8+8) + 8)) - (8/8 + (8 \times 8)) \\
&:= (9 \times 99) + ((99999/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11904 &:= 1 + (11 + (11 + ((111 - (1+1))^{1+1}))) \\
&:= 22 + (((222/2-2)^2) + 2/2) \\
&:= 3 + ((3 \times (3 \times ((33/3)^3) - 3 \times 3)) + 3) \\
&:= (44+4) \times (4^4 - (4+4)) \\
&:= 5 + (((5^5+5)/5) \times ((5 \times 5) - (5/5+5))) + 5) \\
&:= (((6+6)/6)^6) \times ((6 \times (6 \times 6-6)) + 6) \\
&:= (((7+7)/7)^7) \times (((7+7)/7) + 77) + 7 + 7) \\
&:= 8 \times (((88 \times (8+8)) - 8) + 88) \\
&:= ((99+9)/9) \times (((9+9)/9) - 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11905 &:= ((1+1) \times (1+11)) + ((111 - (1+1))^{1+1}) \\
&:= 2 + (((222/2-2)^2) + 22) \\
&:= 3 + (((3 \times (3 \times ((33/3)^3) - 3 \times 3)) + 3/3) + 3) \\
&:= 4/4 + ((44+4) \times (4^4 - (4+4))) \\
&:= 5 + (5 \times ((5 \times (5 \times (5 \times (5 \times 5-5)) - 5))) + 5)) \\
&:= (6-6/6) \times (((6 \times (6 \times 66)) - 6/6) + 6) \\
&:= 7 \times 7 + (((7+7)/7) \times ((77 \times 77) - 7/7)) \\
&:= 8/8 + (8 \times (((88 \times (8+8)) - 8) + 88)) \\
&:= (9 \times (((9+9) \times (9+9)) + 999)) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11906 &:= 1 + (((1+1) \times (1+11)) + ((111 - (1+1))^{1+1})) \\
&:= 2 + (((222/2-2)^2) + 22) + 2/2) \\
&:= 3^3 + ((33 \times (333+3^3)) - 3/3) \\
&:= ((4+4)/4) + ((44+4) \times (4^4 - (4+4))) \\
&:= 5 + ((5 \times (55 \times (5+5+5))) + ((5/5+5)^5)) \\
&:= ((6-66)/6) + (6 \times ((66 \times (6 \times 6-6)) + 6)) \\
&:= 7 \times 7 + ((77 \times (77+77)) - 7/7) \\
&:= ((8+8)/8) + (8 \times (((88 \times (8+8)) - 8) + 88)) \\
&:= (9 \times (((9+9) \times (9+9)) + 999)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11907 &:= (1+1+1) \times (((1+1+1) \times (11 + (11-1)))^{1+1}) \\
&:= 2 + (((222/2-2)^2) + 22) + 2) \\
&:= 3 \times ((3 \times ((33/3)^3) - 3 \times 3)) + 3) \\
&:= 4 + (((44+4) \times (4^4 - (4+4))) - 4/4) \\
&:= (55 - (5/5+5)) \times ((5 - (5+5)/5)^5) \\
&:= (((6-66)+6)/6) + (6 \times ((66 \times (6 \times 6-6)) + 6)) \\
&:= 7 \times 7 + (77 \times (77+77)) \\
&:= (8/8+8) \times (((88/8)^{88/8-8}) - 8) \\
&:= 9 \times (((9+9) \times (9+9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11908 &:= ((1+1+1)^{1+1+1}) + ((111 - (1+1))^{1+1}) \\
&:= (22+2+2) \times (22^2 - (22+2+2)) \\
&:= 3^3 + ((33 \times (333+3^3)) + 3/3) \\
&:= 4 + ((44+4) \times (4^4 - (4+4))) \\
&:= (((5^5+5+5)/5) \times ((5 \times 5) - (5/5+5))) - 5) \\
&:= 6 \times 6 + (((6+6)/6)^{6+6}) + (6^{6-6/6}) \\
&:= 7/7 + ((77 \times (77+77)) + (7 \times 7)) \\
&:= 8 + ((8/8+8+8) \times ((8 \times 88) - (8 \times 8/(8+8)))) \\
&:= 9/9 + (9 \times (((9+9) \times (9+9)) + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11909 &:= 1 + (((1+1+1)^{1+1+1}) + ((111 - (1+1))^{1+1})) \\
&:= 2 + (((222/2-2)^2) + 22) + 2) + 2) \\
&:= (33/3) + (3 \times (3 \times ((33/3)^3) - 3 \times 3)) \\
&:= 4 + (((44+4) \times (4^4 - (4+4))) + 4/4) \\
&:= 5 + (((5^5+5)/5) \times ((5 \times 5) - (5/5+5))) + 5) + 5) \\
&:= (6 \times ((66 \times (6 \times 6-6)) + 6)) - (6/6+6) \\
&:= 7 \times 7 + ((77 \times (77+77)) + (7+7)/7) \\
&:= ((8/8+8+8) \times (((8 \times 88) - 88/8) + 8)) - 8) \\
&:= 9 + ((9/9+99) \times (((99/9) + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11910 &:= (11-1) \times (1 + ((11-1) \times ((11^{1+1}) - (1+1)))) \\
&:= 2 + ((22+2+2) \times (22^2 - (22+2+2))) \\
&:= 3 + ((33 \times (333+3^3)) + 3^3) \\
&:= 4 + (((44+4) \times (4^4 - (4+4))) + ((4+4)/4)) \\
&:= (5+5) \times (((55+5^5)/5) + 555) \\
&:= (6-6/6) \times ((6 \times (6 \times 66)) + 6) \\
&:= 7 \times 7 + ((77 \times (77+77)) + ((7+7+7)/7)) \\
&:= 8 + ((88 \times (8 \times (8+8) + 8)) - (((8+8)/8) + (8 \times 8))) \\
&:= (9/9+9) \times (((9999-9)/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11911 &:= 11 + (((11-1)^{1+1}) \times ((11^{1+1}) - (1+1))) \\
&:= 22 + (((222/2 - 2)^2) + (2 \times (2+2))) \\
&:= 3 + (((33 \times (333+3^3)) + 3^3) + 3/3) \\
&:= 4 + (((44+4) \times (4^4 - (4+4))) - 4/4) + 4 \\
&:= 55 + (((5^5 - 5)/5) \times ((5 \times 5) - (5/5+5))) \\
&:= 6/6 + ((6-6/6) \times ((6 \times (6 \times 66)) + 6)) \\
&:= 7 + (((7+7)/7)^7) \times (((7+7)/7) + 77) + 7 + 7 \\
&:= 8 + ((88 \times (8 \times (8+8) + 8)) - (8/8 + (8 \times 8))) \\
&:= ((9/9+9) \times (9999/9 + (9 \times 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11912 &:= 1 + (11 + (((11-1)^{1+1}) \times ((11^{1+1}) - (1+1)))) \\
&:= 2 \times (2 \times ((2 \times ((2 \times (22-2)^2)) - 222)) \\
&:= 33 + ((33 \times (333+3^3)) - 3/3) \\
&:= 4 + (((44+4) \times (4^4 - (4+4))) + 4) \\
&:= 5 + ((55 - (5/5+5)) \times ((5 - (5+5)/5)^5)) \\
&:= ((6+6)/6) + ((6-6/6) \times ((6 \times (6 \times 66)) + 6)) \\
&:= 7 + (((7+7)/7) \times ((77 \times 77) - 7/7)) + (7 \times 7) \\
&:= 8 + (8 \times (((88 \times (8+8)) - 8) + 88)) \\
&:= (9 \times (9 \times 9 + 9)) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11913 &:= 11 \times ((1+1+1) \times (((1+1) \times (11-1)) - 1)^{1+1}) \\
&:= (2 \times (2^{2+2})) + ((222/2 - 2)^2) \\
&:= 33 + (33 \times (333+3^3)) \\
&:= 4 + (((44+4) \times (4^4 - (4+4))) + 4/4) + 4 \\
&:= ((5^5 + 5 + 5)/5) \times ((5 \times 5) - (5/5+5)) \\
&:= (66 \times 6/(6+6)) + (6 \times (66 \times (6 \times 6 - 6))) \\
&:= 7 + (((77 \times (77+77)) - 7/7) + (7 \times 7)) \\
&:= 8 + (8 \times (((88 \times (8+8)) - 8) + 88)) + 8/8 \\
&:= (99/9) \times ((9 \times (99+9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11914 &:= (11 \times (1+1+1)) + ((111 - (1+1))^{1+1}) \\
&:= 22 + (((222/2 - 2)^2) + (22/2)) \\
&:= 3/3 + ((33 \times (333+3^3)) + 33) \\
&:= (((4+4)/4) + 44) \times ((4^4 - 4/4) + 4) \\
&:= ((5-5/5) \times (5^5 + 5 + 5)) - ((5^5 + 5)/5) \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) + 6)) - ((6+6)/6) \\
&:= 7 + ((77 \times (77+77)) + (7 \times 7)) \\
&:= 8 + ((8 \times (((88 \times (8+8)) - 8) + 88)) + ((8+8)/8)) \\
&:= (9/9 - (9 \times (9+9))) \times (9 - ((9+9)/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11915 &:= 1 + ((11 \times (1+1+1)) + ((111 - (1+1))^{1+1})) \\
&:= 2 + (((222/2 - 2)^2) + (2 \times (2^{2+2}))) \\
&:= (3 \times (3 \times ((33/3)^3)) - ((3/3+3)^3)) \\
&:= (44/4) + ((44+4) \times (4^4 - (4+4))) \\
&:= (5 \times (5^5 - 5)) - ((555+5^5) + 5) \\
&:= (6 \times ((66 \times (6 \times 6 - 6)) + 6)) - 6/6 \\
&:= 7 + (((77 \times (77+77)) + (7 \times 7)) + 7/7) \\
&:= 88/8 + (8 \times (((88 \times (8+8)) - 8) + 88)) \\
&:= 9 + ((9 \times ((9+9) \times (9+9)) + 999) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11916 &:= 1 + (1 + ((11 \times (1+1+1)) + ((111 - (1+1))^{1+1}))) \\
&:= (2+2+2) \times (((2 \times 22 - 2)^2) + 222) \\
&:= 3 \times ((3 \times ((33/3)^3) - (3+3)) - 3) \\
&:= 4 + (((44+4) \times (4^4 - (4+4))) + 4) + 4 \\
&:= ((5-5^5)/5) + ((5-5/5) \times (5^5 + 5 + 5)) \\
&:= 6 \times ((66 \times (6 \times 6 - 6)) + 6) \\
&:= 7 + (((77 \times (77+77)) + ((7+7)/7)) + (7 \times 7)) \\
&:= (8/8+8) \times (((88+8)/8) \times (888/8)) - 8 \\
&:= 9 + (9 \times ((9+9) \times (9+9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11917 &:= ((1+1+1) \times (1+11)) + ((111 - (1+1))^{1+1}) \\
&:= ((2+2+2)^2) + ((222/2 - 2)^2) \\
&:= 3/3 + (3 \times ((3 \times ((33/3)^3) - (3+3)) - 3)) \\
&:= ((4 \times 4) + 4/4) \times ((444+4^4) + 4/4) \\
&:= 5 + (((55 - (5/5+5)) \times ((5 - (5+5)/5)^5)) + 5) \\
&:= 6/6 + (6 \times ((66 \times (6 \times 6 - 6)) + 6)) \\
&:= ((77/7) \times ((77 \times (7+7)) - 7/7) + 7) - 7 \\
&:= (8/8+8+8) \times (((8 \times 88) - 88/8) + 8) \\
&:= 9 + ((9 \times ((9+9) \times (9+9)) + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11918 &:= (111/(1+1+1)) + ((111 - (1+1))^{1+1}) \\
&:= ((2-22) \times (2 - ((22+2)^2) + 22)) - 2 \\
&:= 3 + ((3 \times (3 \times ((33/3)^3)) - ((3/3+3)^3)) \\
&:= 4 + (((4+4)/4) + 44) \times ((4^4 - 4/4) + 4) \\
&:= 5 + (((5^5 + 5 + 5)/5) \times ((5 \times 5) - (5/5+5))) \\
&:= ((6+6)/6) + (6 \times ((66 \times (6 \times 6 - 6)) + 6)) \\
&:= 7 \times 7 + ((77 \times (77+77)) + (77/7)) \\
&:= (8888/88) \times (((888-8)/8) + 8) \\
&:= (99/9) + (9 \times ((9+9) \times (9+9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11919 &:= 1 + ((111/(1+1+1)) + ((111 - (1+1))^{1+1})) \\
&:= ((222/2)^2) - ((22-2)^2) + 2 \\
&:= (3 \times (3 \times ((33/3)^3) - 3)) - 33 \\
&:= 4 + (((44+4) \times (4^4 - (4+4))) + 44/4) \\
&:= 5 \times 5 + (((5^5 + 5)/5) \times ((5 \times 5) - (5/5+5))) \\
&:= (6 \times 6/(6+6)) + (6 \times ((66 \times (6 \times 6 - 6)) + 6)) \\
&:= 77 + (((7+7)/7) \times ((77 \times 77) - (7/7+7))) \\
&:= (88-8/8) \times ((8 \times (8+8) + 8/8) + 8) \\
&:= (((99+9)/9) \times (999+9/9)) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11920 &:= (11-1) \times (1111 + ((11-1-1)^{1+1})) \\
&:= (2-22) \times (2 - ((22+2)^2) + 22) \\
&:= 3/3 + ((3 \times (3 \times ((33/3)^3) - 3)) - 33) \\
&:= 4 \times (((4+4+4) \times (4^4 - (4+4))) + 4) \\
&:= (5 \times (5^5 - 5)) - (555+5^5) \\
&:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) + 6)) - ((6+6)/6)) \\
&:= 7 + (((77 \times (77+77)) - 7/7) + (7 \times 7)) + 7 \\
&:= 8 + ((8 \times (((88 \times (8+8)) - 8) + 88)) + 8) \\
&:= (9/9+9) \times (9999/9 + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11921 &:= (111^{1+1}) - (((1+1) \times (11-1))^{1+1}) \\
&:= ((222/2)^2) - ((22-2)^2) \\
&:= (3^3 \times (3^3+3)) + (33333/3) \\
&:= 4 \times 4 + (((44+4) \times (4^4 - (4+4))) + 4/4) \\
&:= 5/5 + ((5 \times (5^5 - 5)) - (555 + 5^5)) \\
&:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) + 6)) - 6/6) \\
&:= 7 + (((77 \times (77+77)) + (7 \times 7)) + 7) \\
&:= ((8/8 + 8 + 8) \times ((8 \times 88) + 8/8)) - (8 \times 8) \\
&:= (9 \times (9 \times 9 + 9)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11922 &:= 1 + ((111^{1+1}) - (((1+1) \times (11-1))^{1+1})) \\
&:= 2 + ((2-22) \times (2 - ((22+2)^2) + 22)) \\
&:= (3 \times (3 \times ((33/3)^3) - (3+3))) - 3 \\
&:= (44 \times ((4 \times 4) + 4^4)) - (((4+4)/4) + 44) \\
&:= ((5+5)/5) + ((5 \times (5^5 - 5)) - (555 + 5^5)) \\
&:= 6 + (6 \times ((66 \times (6 \times 6 - 6)) + 6)) \\
&:= 7 + (((77 \times (77+77)) + (7 \times 7)) + 7/7) + 7) \\
&:= 8 + (((8 \times ((88 \times (8+8)) - 8) + 88)) + ((8+8)/8)) + 8) \\
&:= 9 + ((99/9) \times ((9 \times (99+9)) + (999/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11923 &:= (11 \times (1111 - ((1+1+1)^{1+1+1}))) - 1 \\
&:= 2 + (((222/2)^2) - ((22-2)^2)) \\
&:= 3/3 + ((3 \times (3 \times ((33/3)^3) - (3+3))) - 3) \\
&:= (44 \times ((4 \times 4) + 4^4)) - (44 + 4/4) \\
&:= (((5 \times 5) - 5/5) \times ((5^5 + 5 + 5)/5)) - 5^5 \\
&:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) + 6)) + 6/6) \\
&:= 77 + (((7+7)/7) \times (((77 \times 77) - 7) + 7/7)) \\
&:= 8 + ((8 \times ((88 \times (8+8)) - 8) + 88)) + (88/8) \\
&:= 9 + ((9/9 - (9 \times (9+9))) \times (9 - ((9+9)/9) + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11924 &:= 11 \times (1111 - ((1+1+1)^{1+1+1})) \\
&:= 22 \times (((22+2/2)^2) + (22/2)) + 2) \\
&:= (33/3) \times ((3333/3) - 3^3) \\
&:= 44 \times (((44/4) + 4^4) + 4) \\
&:= (55/5) \times (((5-5/5)^5) + 55) + 5) \\
&:= ((6+6+6) \times 666) - (((6+6)/6)^6) \\
&:= 77/7 \times (((77 \times (7+7)) - 7/7) + 7) \\
&:= (88 \times (8 \times (8+8) + 8)) - (88/((8+8)/8)) \\
&:= 99 + (((9+9) \times ((9 \times (9 \times 9) - 9)) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11925 &:= (1+1+1) \times (((1+1)^{1+1+1}) - (11^{1+1})) \\
&:= (2 \times 22) + ((222/2 - 2)^2) \\
&:= 3 \times (3 \times ((33/3)^3) - (3+3)) \\
&:= 4/4 + (44 \times (((44/4) + 4^4) + 4)) \\
&:= 5^5 + (5 \times (55 \times (((5+5)/5)^5)) \\
&:= ((666/6)^{(6+6)/6}) - (6 \times 66) \\
&:= ((7/7 + 7) + 7) \times (((77/7) + 777) + 7) \\
&:= 8 + ((8/8 + 8 + 8) \times (((8 \times 88) - 88/8) + 8)) \\
&:= 99 + ((9+9) \times ((9 \times (9 \times 9) - 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11926 &:= 1 + ((1+1+1) \times (((1+1)^{1+1+1}) - (11^{1+1}))) \\
&:= 2/2 + (((222/2 - 2)^2) + 2 \times 22) \\
&:= 3/3 + (3 \times (3 \times ((33/3)^3) - (3+3))) \\
&:= ((4+4)/4) + (44 \times (((44/4) + 4^4) + 4)) \\
&:= 5^5 + ((5 \times (55 \times (((5+5)/5)^5)) + 5/5) \\
&:= ((66-6)/6) + (6 \times ((66 \times (6 \times 6 - 6)) + 6)) \\
&:= 77 + ((77 \times (77+77)) - ((7+7)/7 + 7)) \\
&:= (8/8 + 88) \times (((8 \times (8+8)) - ((8+8)/8)) + 8) \\
&:= 9/9 + (((9+9) \times ((9 \times (9 \times 9) - 9)) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11927 &:= 1 + (1 + ((1+1+1) \times (((1+1)^{1+1+1}) - (11^{1+1})))) \\
&:= 2 + (((222/2 - 2)^2) + 2 \times 22) \\
&:= 3 + ((33/3) \times ((3333/3) - 3^3)) \\
&:= 4 + ((44 \times ((4 \times 4) + 4^4)) - (44 + 4/4)) \\
&:= 55 + (((5-5/5)^{5+5}) + ((5/5 + 5)^5)) \\
&:= (66/6) + (6 \times ((66 \times (6 \times 6 - 6)) + 6)) \\
&:= 77 + ((77 \times (77+77)) - (7/7 + 7)) \\
&:= 8 + ((88 - 8/8) \times ((8 \times (8+8) + 8/8) + 8)) \\
&:= 9 + ((9 \times (((9+9) \times (9+9)) + 999)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11928 &:= (1+1+1) \times (1 + (((1+1)^{1+1+1}) - (11^{1+1}))) \\
&:= (22+2) \times ((22/2 + 22^2) + 2) \\
&:= 3 + (3 \times (3 \times ((33/3)^3) - (3+3))) \\
&:= 4 + (44 \times (((44/4) + 4^4) + 4)) \\
&:= ((55+5)/5) \times (((5-5/5)^5) - (5 \times 5 + 5)) \\
&:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) + 6)) + 6) \\
&:= 77 + ((77 \times (77+77)) - 7) \\
&:= 88 + ((88 \times 88) + (8 \times (8 \times 8 \times 8))) \\
&:= 9 + (((99+9)/9) \times (999 + 9/9)) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11929 &:= ((11 \times ((11^{1+1}) + ((1+1)^{11}))) - 1)/(1+1) \\
&:= (2 \times (22+2)) + ((222/2 - 2)^2) \\
&:= 3 + ((3 \times (3 \times ((33/3)^3) - (3+3))) + 3/3) \\
&:= 4 + ((44 \times (((44/4) + 4^4) + 4)) + 4/4) \\
&:= 5 + (55/5 \times (((5-5/5)^5) + 55) + 5) \\
&:= 6 + (((6 \times ((66 \times (6 \times 6 - 6)) + 6)) + 6/6) + 6) \\
&:= 7/7 + (((77 \times (77+77)) - 7) + 77) \\
&:= ((8/8 - 88) + 8) \times (8/8 - ((8 \times 8) + 88)) \\
&:= 9 + ((9/9 + 9) \times (9999/9 + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11930 &:= ((111-1)^{1+1}) - (1 + ((1+1+11)^{1+1})) \\
&:= 2 + ((22+2) \times ((22/2 + 22^2) + 2)) \\
&:= 3 + (((33/3) \times ((3333/3) - 3^3)) + 3) \\
&:= 4 + ((44 \times (((44/4) + 4^4) + 4)) + ((4+4)/4)) \\
&:= 5 + ((5 \times (55 \times (((5+5)/5)^5)) + 5^5) \\
&:= 6 + (((6+6+6) \times 666) - (((6+6)/6)^6)) \\
&:= 7 \times 7 + (((77/7) + (7 \times (7+7)))^{(7+7)/7}) \\
&:= (((8 \times (8+8)) - 8/8) \times ((88 - ((8+8)/8)) + 8)) - 8 \\
&:= 9 + ((99999/9) + (9 \times (9 \times 9 + 9)))
\end{aligned}$$

- **11931** := $((111 - 1)^{1+1}) - ((1 + 1 + 11)^{1+1})$
:= $2 + (((222/2 - 2)^2) + (2 \times (22 + 2)))$
:= $3 + ((3 \times (3 \times ((33/3)^3) - (3 + 3))) + 3)$
:= $4 + (((44 \times ((4 \times 4) + 4^4)) - (44 + 4/4)) + 4)$
:= $55 + (((5 - 5^5)/5) - 5^5) + (5 \times 5^5)$
:= $6 + (((666/6)^{(6+6)/6}) - (6 \times 66))$
:= $7 + ((77/7) \times (((77 \times (7 + 7)) - 7/7) + 7))$
:= $((88/8) - 8) \times (((8 \times 8) - 8/8)^{(8+8)/8}) + 8$
:= $(99 - ((9 + 9)/9)) \times (((999 + 99) + 9)/9)$
- **11932** := $1 + (((111 - 1)^{1+1}) - ((1 + 1 + 11)^{1+1}))$
:= $2 + (((22 + 2) \times ((22/2 + 22^2) + 2)) + 2)$
:= $(3 \times ((3 \times ((33/3)^3) - 3)) - 3) - (33/3)$
:= $4 + ((44 \times (((44/4) + 4^4) + 4)) + 4)$
:= $((5 \times 5) - (5/5 + 5)) \times (((5^5 - (5 + 5))/5) + 5)$
:= $6 + ((6 \times ((66 \times (6 \times 6 - 6)) + 6)) + ((66 - 6)/6))$
:= $7 + ((7 \times (7 \times (7 - (7 \times (7 + 7)))))) + (((7 + 7)/7)^{7+7})$
:= $8 + ((88 \times (8 \times (8 + 8) + 8)) - (88/((8 + 8)/8)))$
:= $9999 + (((9 + 9) \times (99 + 9)) - (99/9))$
- **11933** := $(11 \times 1111) - ((1 + 1) \times ((1 + 11)^{1+1}))$
:= $22^2 + ((222/2 - 2 - 2)^2)$
:= $(3 \times (3 - (3 \times 3^3))) + ((3^3 - (3/3 + 3))^3)$
:= $44 + (4^4 \times 44 + ((4/4 + 4)^4))$
:= $5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - (5 \times 5 + 5)))$
:= $6 + ((6 \times ((66 \times (6 \times 6 - 6)) + 6)) + (66/6))$
:= $77 + (((7 + 7)/7) \times ((77 \times 77) - 7/7))$
:= $(88 \times (8 \times (8 + 8) + 8)) - (((88/8) + 8) + 8) + 8$
:= $((99 + 9 + 9) \times ((999/9) - 9)) - 9/9$
- **11934** := $((1 + 1) \times 111 - 1) \times (((111 - 1)/(1 + 1)) - 1)$
:= $222 + ((22 + 2) \times ((22^2 + 2) + 2))$
:= $3 \times ((3 \times ((33/3)^3) - (3 + 3)) + 3)$
:= $((4 \times 4) + 4/4) \times ((4 \times 4 \times 44) - ((4 + 4)/4))$
:= $(5/5 + 5) \times (((5 + 5)^{5-5/5}) - 55/5)$
:= $((66/6) + 6) \times (666 + (6 \times 6))$
:= $77 + ((77 \times (77 + 77)) - 7/7)$
:= $(8/8 + 8 + 8) \times ((8 \times 88) - ((8 + 8)/8))$
:= $(99 + 9 + 9) \times ((999/9) - 9)$
- **11935** := $11 \times (1111 - ((1 + 1) \times (1 + 1 + 11)))$
:= $2 + (((222/2 - 2 - 2)^2) + 22^2)$
:= $(33/3) \times ((33 \times 33) - (3/3 + 3))$
:= $(44/4) + (44 \times (((44/4) + 4^4) + 4))$
:= $55 \times (((55 + 5^5)/(5 + 5 + 5)) + 5)$
:= $(6 - 6/6) \times ((6 \times (6 \times 66)) + (66/6))$
:= $77 + (77 \times (77 + 77))$
:= $888 + ((88888/8) - (8 \times 8))$
:= $9/9 + ((99 + 9 + 9) \times ((999/9) - 9))$
- **11936** := $1 + (11 \times (1111 - ((1 + 1) \times (1 + 1 + 11))))$
:= $(2^{2+2}) \times ((2 \times 22^2) - 222)$
:= $(33/3) + (3 \times (3 \times ((33/3)^3) - (3 + 3)))$
:= $4 \times ((44 \times ((4 \times (4 \times 4)) + 4)) - (4 + 4))$
:= $55 + (((55 - 5/5) + 55)^{(5+5)/5})$
:= $6 + (((6 + 6 + 6) \times 666) - (((6 + 6)/6)^6)) + 6$
:= $7/7 + ((77 \times (77 + 77)) + 77)$
:= $(88 \times (8 \times (8 + 8) + 8)) - ((8 + 8 + 8) + 8)$
:= $99 + (((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)) + (99/9)$
- **11937** := $((1 + 111)/(1 + 1)) + ((111 - (1 + 1))^{1+1})$
:= $((22/2)^{2+2}) - ((2 \times (22 + 2 + 2))^2)$
:= $(3 \times ((3 \times ((33/3)^3) - 3)) - 33)$
:= $4 + (((4^4 \times 44) + ((4/4 + 4)^4)) + 44)$
:= $((5 - 5/5) \times (5^5 - ((5 + 5)/5))) - 555$
:= $6 + (((666/6)^{(6+6)/6}) - (6 \times 66)) + 6$
:= $77 + ((77 \times (77 + 77)) + (7 + 7)/7)$
:= $((88/8) - 8)^8 + (((8 \times 8) - 8) \times (88 + 8))$
:= $(999/9) + ((9 + 9) \times ((9 \times (9 \times 9) - 9)) + 9)$
- **11938** := $1 + (((1 + 111)/(1 + 1)) + ((111 - (1 + 1))^{1+1}))$
:= $2 + (((2 \times (2 + 2) + 2)^{2+2}) + ((2 \times 22)^2))$
:= $3 + ((33/3) \times ((33 \times 33) - (3/3 + 3)))$
:= $((44 - 4/4) + 4) \times (4^4 - (4 + 4)/4)$
:= $5 \times 5 + (((5^5 + 5 + 5)/5) \times ((5 \times 5) - (5/5 + 5)))$
:= $66 + (((6 + 6)/6)^{6+6}) + (6^{6-6/6})$
:= $((7 + 7) \times (777 + 77)) - (77/7 + 7)$
:= $((8 \times (8 + 8)) - 8/8) \times ((88 - ((8 + 8)/8)) + 8)$
:= $((999/9) + 99)^{(9+9)/9} - (9 \times (9 + 9))$
- **11939** := $((1 + 111)^{1+1}) - (11 \times ((111 - 1)/(1 + 1)))$
:= $((((22/2)^2) - 2)^2) - 2222$
:= $(3 \times ((3 \times ((33/3)^3) - 3)) - 3) - (3/3 + 3)$
:= $(4 \times ((4 + 4)^4)) - (4444 + 4/4)$
:= $(5 \times 5^5) - (((555 + 5^5) + 5/5) + 5)$
:= $66 + ((6 \times (66 \times (6 \times 6 - 6))) - (6/6 + 6))$
:= $((77/7) \times (((77 \times (7 + 7)) + 7/7) + 7)) - 7$
:= $((88/8) - 8)^{8/8+8} - (88 \times 88)$
:= $99 + ((99999/9) + (9 \times (9 \times 9)))$
- **11940** := $(1 + 1) \times ((1 + 1) \times (((1 + 1)^{1+1}) - 1111))$
:= $2 \times ((2^{22/2+2} - 2222))$
:= $(3 \times ((3 \times ((33/3)^3) - 3)) - 3) - 3$
:= $(4 \times ((4 + 4)^4)) - 4444$
:= $(5 \times 5^5) - ((555 + 5^5) + 5)$
:= $66 + ((6 \times (66 \times (6 \times 6 - 6))) - 6)$
:= $7 + (((7 + 7)/7) \times ((77 \times 77) - 7/7)) + 77$
:= $((8 - (8 \times 8))/(8 + 8)/8) + (88 \times (8 \times (8 + 8) + 8))$
:= $(9 \times (9 \times 9)) + ((999/9) \times (((9 + 9)/9) + 99))$

$$\begin{aligned}
\blacktriangleright 11941 &:= 1 + ((1 + 1) \times ((1 + 1) \times (((1 + 1)^{11+1}) - 1111))) \\
&:= 2 + (((((22/2)^2) - 2)^2) - 2222) \\
&:= (3 \times (3 \times (((33/3)^3) - 3))) - (33/3) \\
&:= 4/4 + ((4 \times ((4 + 4)^4)) - 4444) \\
&:= ((5 - 5/5) \times (5^5 - 5/5)) - 555 \\
&:= 6 + ((6 - 6/6) \times ((6 \times (6 \times 66)) + (66/6))) \\
&:= 7 + (((77 \times (77 + 77)) - 7/7) + 77) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - (((88/8) + 8) + 8) \\
&:= 9 \times 9 + ((99/9 + 9) \times (((9 + 9)/9)^9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11942 &:= 11 + (((111 - 1)^{1+1}) - ((1 + 1 + 11)^{1+1})) \\
&:= 2 + (2 \times ((2^{22/2+2} - 2222)) \\
&:= (3 \times ((3 \times (((33/3)^3) - 3)) - 3)) - 3/3 \\
&:= 4 + (((44 - 4/4) + 4) \times (4^4 - (4 + 4)/4)) \\
&:= 5 + (((5 - 5/5) \times (5^5 - ((5 + 5)/5))) - 555) \\
&:= 66 + (((6 \times (66 \times (6 \times 6 - 6))) - 6) + ((6 + 6)/6)) \\
&:= 7 + ((77 \times (77 + 77)) + 77) \\
&:= 8 + ((8/8 + 8 + 8) \times ((8 \times 88) - ((8 + 8)/8))) \\
&:= 9999 + (((9 + 9) \times (99 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11943 &:= (11 - 1 - 1) \times ((11^{1+1+1}) - (1 + 1 + 1 + 1)) \\
&:= 22 + (((222/2)^2) - ((22 - 2)^2)) \\
&:= 3 \times ((3 \times (((33/3)^3) - 3)) - 3) \\
&:= 4 + ((4 \times ((4 + 4)^4)) - (4444 + 4/4)) \\
&:= (5 \times 5^5) - ((555 + ((5 + 5)/5)) + 5^5) \\
&:= 66 + ((666/6) \times ((6 \times (6 + 6 + 6)) - 6/6)) \\
&:= 7 + (((77 \times (77 + 77)) + 77) + 7/7) \\
&:= ((8/8 + 8 + 8) \times ((8 \times 88) - 8/8)) - 8 \\
&:= 9999 + ((9 + 9) \times (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11944 &:= ((111 - 1)^{1+1}) - ((1 + 11) \times (1 + 1 + 11)) \\
&:= (22^{2/2+2}) + ((2 + 2 + 2)^{2+2}) \\
&:= 3/3 + (3 \times ((3 \times (((33/3)^3) - 3)) - 3)) \\
&:= 4 + ((4 \times ((4 + 4)^4)) - 4444) \\
&:= (5 \times 5^5) - ((555 + 5^5) + 5/5) \\
&:= (((6 + 6)/6)^6) + (6 \times (66 \times (6 \times 6 - 6))) \\
&:= ((7 + 7) \times (777 + 77)) - ((77 + 7)/7) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - (8 + 8 + 8) \\
&:= 9/9 + (((9 + 9) \times (99 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11945 &:= ((111 - 1)^{1+1}) - (11 + ((1 + 11)^{1+1})) \\
&:= (2^{2+2+2}) + (((222/2 - 2)^2) \\
&:= (3 \times (3 \times (((33/3)^3))) - (3/3 + 33) \\
&:= 4 + (((4 \times ((4 + 4)^4)) - 4444) + 4/4) \\
&:= (5 \times 5^5) - (555 + 5^5) \\
&:= 66 + ((6 \times (66 \times (6 \times 6 - 6))) - 6/6) \\
&:= ((7 + 7) \times (777 + 77)) - (77/7) \\
&:= 8/8 + ((88 \times (8 \times (8 + 8) + 8)) - (8 + 8 + 8)) \\
&:= ((9 + 9)/9) + (((9 + 9) \times (99 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11946 &:= 11 \times (1111 - (1 + (1 + 1) \times (1 + 1))) \\
&:= 2 + ((22^{2/2+2}) + ((2 + 2 + 2)^{2+2})) \\
&:= 33 \times (((33 \times 33) - 3)/3) \\
&:= (44/4) \times (((4^4 - (4 + 4))/4) + (4 \times 4^4)) \\
&:= 5/5 + ((5 \times 5^5) - (555 + 5^5)) \\
&:= 66 + (6 \times (66 \times (6 \times 6 - 6))) \\
&:= 77/7 \times (((77 \times (7 + 7)) + 7/7) + 7) \\
&:= (88/8) \times ((8 \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8)) \\
&:= (99/9) \times (((99 \times 99) - (9 + 9 + 9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11947 &:= 1 + (11 \times (1111 - (1 + (1 + 1) \times (1 + 1)))) \\
&:= 2 + (((222/2 - 2)^2) + (2^{2+2+2})) \\
&:= 3/3 + (33 \times (((33 \times 33) - 3)/3)) \\
&:= 44 + (((44 + 4) \times (4^4 - (4 + 4))) - 4/4) \\
&:= (5 \times 5^5) + (((5 + 5)/5) - (555 + 5^5)) \\
&:= 66 + ((6 \times (66 \times (6 \times 6 - 6))) + 6/6) \\
&:= ((7 + 7) \times (777 + 77)) - ((7 + 7)/7 + 7) \\
&:= 8 + (((88/8) - 8)^{8+8}) - (88 \times 88) \\
&:= ((99 - 9/9) \times ((999 + 99)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11948 &:= (111 \times (1 + 111)) - ((11 + 11)^{1+1}) \\
&:= 2 + (((22^{2/2+2}) + ((2 + 2 + 2)^{2+2})) + 2) \\
&:= ((3^3 - (3/3 + 3))^3) - (((3 + 3)^3) + 3) \\
&:= 44 + ((44 + 4) \times (4^4 - (4 + 4))) \\
&:= 5 + ((5 \times 5^5) - ((555 + ((5 + 5)/5)) + 5^5)) \\
&:= 66 + ((6 \times (66 \times (6 \times 6 - 6))) + ((6 + 6)/6)) \\
&:= ((7 + 7) \times (777 + 77)) - (7/7 + 7) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - (((88 + 8)/8) + 8) \\
&:= ((99/9) \times (((99 \times 99) - (9 + 9))/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11949 &:= (1 + 1 + 1) \times (((1 + 1)^{11+1}) - (1 + (1 + 11))) \\
&:= 2 + (((222/2 - 2)^2) + (2^{2+2+2})) + 2) \\
&:= (3 \times (3 \times (((33/3)^3) - 3))) - 3 \\
&:= 44 + (((44 + 4) \times (4^4 - (4 + 4))) + 4/4) \\
&:= ((5 - 5/5) \times (5^5 + 5/5)) - 555 \\
&:= ((6 \times 6 - 6) \times ((6 \times 66) + 6)) - (666/6) \\
&:= ((7 + 7) \times (777 + 77)) - 7 \\
&:= (88 \times (8 \times (8 + 8) + 8)) - ((88/8) + 8) \\
&:= 9 \times 9 + (((99 + 9)/9) \times (999 - (9/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11950 &:= ((11 - 1 - 1) \times ((11^{1+1+1}) - (1 + 1))) - 11 \\
&:= ((22 + 2/2) + 2) \times (22^2 - (2 + 2 + 2)) \\
&:= 3/3 + ((3 \times (3 \times (((33/3)^3) - 3))) - 3) \\
&:= (4/4 + 4) \times (((4 - 4/4) + 4)^4) - 44/4) \\
&:= 5 + ((5 \times 5^5) - (555 + 5^5)) \\
&:= 6 + ((6 \times (66 \times (6 \times 6 - 6))) + (((6 + 6)/6)^6)) \\
&:= 7/7 + (((7 + 7) \times (777 + 77)) - 7) \\
&:= ((8 - 88)/8) + ((88 \times (8 \times (8 + 8) + 8)) - 8) \\
&:= ((99/9) \times (((99 \times 99) - 9)/9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11951 &:= (111^{1+1}) - ((1111 - 1)/(1 + 1 + 1)) \\
&:= 22 + (((222/2 - 2)^2) + (2 \times (22 + 2))) \\
&:= ((3^3 - (3/3 + 3))^3) - ((3 + 3)^3) \\
&:= ((4 \times 4) + 4/4) \times ((4 \times 4 \times 44) - 4/4) \\
&:= (((5^5 - 5)/5) + 5) \times ((5 \times 5) - (5/5 + 5)) \\
&:= ((6 + 6 + 6) \times 666) - ((6 \times 6) + 6/6) \\
&:= ((7 + 7)/7) + (((7 + 7) \times (777 + 77)) - 7) \\
&:= (8/8 + 8 + 8) \times ((8 \times 88) - 8/8) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11952 &:= (1 + 1 + 1) \times (((1 + 1)^{11+1}) - (1 + 111)) \\
&:= (22 + 2) \times ((22^2 - 2) + (2^{2+2})) \\
&:= 3 \times (3 \times (((33/3)^3) - 3)) \\
&:= 4 \times ((44 \times ((4 \times (4 \times 4)) + 4)) - 4) \\
&:= 5 + (((5 + 5)/5) - (555 + 5^5)) + (5 \times 5^5) \\
&:= 6 \times (((66 \times (6 \times 6 - 6)) + 6) + 6) \\
&:= 7 + (((7 + 7) \times (777 + 77)) - (77/7)) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - (8 + 8) \\
&:= 9 + (((9 + 9) \times (99 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11953 &:= 1 + ((1 + 1 + 1) \times (((1 + 1)^{11+1}) - (1 + 111))) \\
&:= (2 \times ((2 + 2 + 2)^2)) + ((222/2 - 2)^2) \\
&:= 3/3 + (3 \times (3 \times (((33/3)^3) - 3))) \\
&:= 4/4 + (4 \times ((44 \times ((4 \times (4 \times 4)) + 4)) - 4)) \\
&:= ((5 - 5/5) \times (((5 + 5)/5) + 5^5)) - 555 \\
&:= 6/6 + (6 \times (((66 \times (6 \times 6 - 6)) + 6) + 6)) \\
&:= 7 + ((77/7) \times (((77 \times (7 + 7)) + 7/7) + 7)) \\
&:= 8/8 + ((88 \times (8 \times (8 + 8) + 8)) - (8 + 8)) \\
&:= 9 \times 9 + (((9/9 + 99) + 9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11954 &:= ((1 + 1 + 1) \times (((1 + 1)^{11+1}) - 111)) - 1 \\
&:= 2 + ((22 + 2) \times ((22^2 - 2) + (2^{2+2}))) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - ((3 + 3)^3)) \\
&:= ((4 + 4)/4) + (4 \times ((44 \times ((4 \times (4 \times 4)) + 4)) - 4)) \\
&:= 5 + (((5 - 5/5) \times (5^5 + 5/5)) - 555) \\
&:= ((6 + 6)/6) + (6 \times (((66 \times (6 \times 6 - 6)) + 6) + 6)) \\
&:= ((7 + 7) \times (777 + 77)) - ((7 + 7)/7) \\
&:= ((8 + 8)/8) + ((88 \times (8 \times (8 + 8) + 8)) - (8 + 8)) \\
&:= (99/9) + (((9 + 9) \times (99 + 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11955 &:= (1 + 1 + 1) \times (((1 + 1)^{11+1}) - 111) \\
&:= ((22/2) \times (((22/2) + 22)^2) - 2) - 2 \\
&:= 3 + (3 \times (3 \times (((33/3)^3) - 3))) \\
&:= (4 - 4/4) \times (((4 + 4)^4) - (444/4)) \\
&:= 5 + (((5 \times 5^5) - (555 + 5^5)) + 5) \\
&:= (666/6) + (6 \times ((66 \times (6 \times 6 - 6)) - 6)) \\
&:= ((7 + 7) \times (777 + 77)) - 7/7 \\
&:= (88 \times (8 \times (8 + 8) + 8)) - ((88 + 8 + 8)/8) \\
&:= (((99 + 9)/9) \times (999 - ((9 + 9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11956 &:= ((111 - 1)^{1+1}) - ((1 + 11)^{1+1}) \\
&:= ((22^2/2) + 2) \times ((2 \times (22 + 2)) + 2/2) \\
&:= 3 + ((3 \times (3 \times (((33/3)^3) - 3))) + 3/3) \\
&:= 4 + (4 \times ((44 \times ((4 \times (4 \times 4)) + 4)) - 4)) \\
&:= 5 + (((5^5 - 5)/5) + 5) \times ((5 \times 5) - (5/5 + 5)) \\
&:= 6 + (((6 \times (66 \times (6 \times 6 - 6))) + (((6 + 6)/6)^6)) + 6) \\
&:= (7 + 7) \times (777 + 77) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - ((88 + 8)/8) \\
&:= (99 - 9/9) \times ((999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11957 &:= 11 \times (1111 - ((1 + 1) \times (1 + 11))) \\
&:= (22/2) \times (((22/2) + 22)^2) - 2 \\
&:= (33/3) \times (((33 \times 33) - 3) + 3/3) \\
&:= (44 \times ((4 \times 4) + 4^4)) - (44/4) \\
&:= 5^5 + (((5 + 5)/5)^5) \times (5 \times 55 + 5/5) \\
&:= 6 + (((6 + 6 + 6) \times 666) - ((6 \times 6) + 6/6)) \\
&:= 7/7 + ((7 + 7) \times (777 + 77)) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - (88/8) \\
&:= (99/9) \times (((99 \times 99) - (9 + 9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11958 &:= 1 + (11 \times (1111 - ((1 + 1) \times (1 + 11)))) \\
&:= ((22 - 2) \times (((22 + 2)^2) + 22)) - 2 \\
&:= 3 + ((3 \times (3 \times (((33/3)^3) - 3))) + 3) \\
&:= ((4 - 44)/4) + (44 \times ((4 \times 4) + 4^4)) \\
&:= (5/5 + 5) \times (((5 + 5)/5)^{55/5}) - 55 \\
&:= 6 + (6 \times (((66 \times (6 \times 6 - 6)) + 6) + 6)) \\
&:= ((7 + 7)/7) + ((7 + 7) \times (777 + 77)) \\
&:= ((8 - 88)/8) + (88 \times (8 \times (8 + 8) + 8)) \\
&:= 9 \times 9 + ((999/9) \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11959 &:= ((11 - 1 - 1) \times (((11^{1+1+1}) - 1)) - 11) \\
&:= 2 + ((22/2) \times (((22/2) + 22)^2) - 2) \\
&:= (3 \times ((3 \times (((33/3)^3) - 3))) - (33/3)) \\
&:= (44 \times ((4 \times 4) + 4^4)) - ((4/4 + 4) + 4) \\
&:= 5 + (((5 - 5/5) \times (5^5 + 5/5)) - 555) + 5 \\
&:= 6 + ((6 \times (((66 \times (6 \times 6 - 6)) + 6) + 6)) + 6/6) \\
&:= ((7 + 7 + 7)/7) + ((7 + 7) \times (777 + 77)) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - (8/8 + 8) \\
&:= ((99/9) \times ((99 \times 99) - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11960 &:= ((11 - 1 - 1) \times (((11^{1+1+1}) - (1 + 1))) - 1) \\
&:= (22 - 2) \times (((22 + 2)^2) + 22) \\
&:= ((33 + 3) \times 333) - (3^3 + 3/3) \\
&:= (4^4 + 4) \times (((4 + 4)/4) + 44) \\
&:= (5 + 5) \times (((5^5 + 5^5) + 5)/5) - 55 \\
&:= 6 + ((6 \times (((66 \times (6 \times 6 - 6)) + 6) + 6)) + ((6 + 6)/6)) \\
&:= (77/7) + (((7 + 7) \times (777 + 77)) - 7) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - 8 \\
&:= 9 \times 9 + ((99 \times ((999/9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11961 &:= (11 - 1 - 1) \times ((11^{1+1+1}) - (1 + 1)) \\
&:= 2/2 + ((22 - 2) \times (((22 + 2)^2) + 22)) \\
&:= 3 \times ((3 \times (((33/3)^3) - 3)) + 3) \\
&:= 4 + ((44 \times ((4 \times 4) + 4^4)) - 44/4) \\
&:= ((5 - 5/5) \times ((5^5 - 5/5) + 5)) - 555 \\
&:= (6 \times (6 - 66)) + ((666/6)^{(6+6)/6}) \\
&:= 7 + (((7 + 7) \times (777 + 77)) - ((7 + 7)/7)) \\
&:= 8/8 + ((88 \times (8 \times (8 + 8) + 8)) - 8) \\
&:= 9 \times 9 + (99 \times ((999/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11962 &:= 1 + ((11 - 1 - 1) \times ((11^{1+1+1}) - (1 + 1))) \\
&:= 2 + ((22 - 2) \times (((22 + 2)^2) + 22)) \\
&:= 3/3 + (3 \times ((3 \times (((33/3)^3) - 3)) + 3)) \\
&:= (44 \times ((4 \times 4) + 4^4)) - (((4 + 4)/4) + 4) \\
&:= 5 + (((((5 + 5)/5)^5) \times (5 \times 55 + 5/5)) + 5^5) \\
&:= ((66 - 6)/6) + (6 \times (((66 \times (6 \times 6 - 6)) + 6) + 6)) \\
&:= 7 + (((7 + 7) \times (777 + 77)) - 7/7) \\
&:= ((8 + 8)/8) + ((88 \times (8 \times (8 + 8) + 8)) - 8) \\
&:= 9 \times 9 + (((9/9 + 99) + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11963 &:= 1 + (1 + ((11 - 1 - 1) \times ((11^{1+1+1}) - (1 + 1)))) \\
&:= 2 + (((22 - 2) \times (((22 + 2)^2) + 22)) + 2/2) \\
&:= (33/3) + (3 \times (3 \times (((33/3)^3) - 3))) \\
&:= (44 \times ((4 \times 4) + 4^4)) - (4/4 + 4) \\
&:= 5 + ((5/5 + 5) \times (((5 + 5)/5)^{55/5}) - 55) \\
&:= (66/6) + (6 \times (((66 \times (6 \times 6 - 6)) + 6) + 6)) \\
&:= 7 + ((7 + 7) \times (777 + 77)) \\
&:= 88/8 + ((88 \times (8 \times (8 + 8) + 8)) - (8 + 8)) \\
&:= 9/9 + (((9/9 + 99) + 9)^{(9+9)/9}) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11964 &:= (1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 1 + 1)) \\
&:= 2 + (((22 - 2) \times (((22 + 2)^2) + 22)) + 2) \\
&:= 3 + (3 \times ((3 \times (((33/3)^3) - 3)) + 3)) \\
&:= (44 \times ((4 \times 4) + 4^4)) - 4 \\
&:= (5/5 + 5) \times (((((5 + 5)^{5-5/5}) - 5)/5) - 5) \\
&:= ((6 + 6 + 6) \times (666 - 6/6)) - 6 \\
&:= 7 + (((7 + 7) \times (777 + 77)) + 7/7) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - (8 \times 8/(8 + 8)) \\
&:= ((99 + 9)/9) \times (999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11965 &:= 1 + ((1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 1 + 1))) \\
&:= (2 \times (2 \times 22 - 2)) + ((222/2 - 2)^2) \\
&:= (3 \times (3 \times ((33/3)^3)) - (33/3 + 3)) \\
&:= 4/4 + ((44 \times ((4 \times 4) + 4^4)) - 4) \\
&:= ((5 - 5/5) \times (5^5 + 5)) - 555 \\
&:= 6/6 + (((6 + 6 + 6) \times (666 - 6/6)) - 6) \\
&:= 7 + (((7 + 7) \times (777 + 77)) + (7 + 7)/7) \\
&:= 8 + ((88 \times (8 \times (8 + 8) + 8)) - 88/8) \\
&:= 9 + ((99 - 9/9) \times ((999 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11966 &:= (11 \times (((11 \times (1 + 1 + 1))^{1+1}) - 1)) - (1 + 1) \\
&:= (((222 + 2)/2)^2) - (((22 + 2)^2) + 2) \\
&:= (3 \times ((3 \times ((33/3)^3)) - 3)) - (3/3 + 3) \\
&:= (44 \times ((4 \times 4) + 4^4)) - ((4 + 4)/4) \\
&:= 5/5 + (((5 - 5/5) \times (5^5 + 5)) - 555) \\
&:= ((6 + 6 + 6) \times 666) - ((66 + 66)/6) \\
&:= ((77 - 7)/7) + ((7 + 7) \times (777 + 77)) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8) \\
&:= 9 + ((99/9) \times (((99 \times 99) - (9 + 9))/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11967 &:= (11 \times (((11 \times (1 + 1 + 1))^{1+1}) - 1)) - 1 \\
&:= (2 \times 2 \times 22) + (((222/2 - 2)^2) - 2) \\
&:= (3 \times ((3 \times ((33/3)^3)) - 3)) - 3 \\
&:= (44 \times ((4 \times 4) + 4^4)) - 4/4 \\
&:= ((5 + 5)/5) + (((5 - 5/5) \times (5^5 + 5)) - 555) \\
&:= (6 \times 6/(6 + 6)) \times ((6 \times 666) - (6/6 + 6)) \\
&:= (77/7) + ((7 + 7) \times (777 + 77)) \\
&:= (88 \times (8 \times (8 + 8) + 8)) - 8/8 \\
&:= (((99 + 9)/9) \times (999 - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11968 &:= 11 \times (((11 \times (1 + 1 + 1))^{1+1}) - 1) \\
&:= 2 \times (22 \times ((2^{2 \times (2+2)} + (2^{2+2}))) \\
&:= (33/3) \times ((33 \times 33) - 3/3) \\
&:= 44 \times ((4 \times 4) + 4^4) \\
&:= (((5 + 5)/5)^5) \times ((5 \times (5 \times (5 + 5 + 5))) - 5/5) \\
&:= (66/6) \times (((66/6) + 6) \times (((6 + 6)/6)^6)) \\
&:= 77/7 \times ((77 \times (7 + 7)) + ((77 - 7)/7)) \\
&:= 88 \times (8 \times (8 + 8) + 8) \\
&:= (99/9) \times (((99 \times 99) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11969 &:= 1 + (11 \times (((11 \times (1 + 1 + 1))^{1+1}) - 1)) \\
&:= (2 \times 2 \times 22) + ((222/2 - 2)^2) \\
&:= (3 \times ((3 \times ((33/3)^3)) - 3)) - 3/3 \\
&:= 4/4 + (44 \times ((4 \times 4) + 4^4)) \\
&:= (5 \times (5^5 + 5)) - ((555 + 5^5) + 5/5) \\
&:= ((6 + 6 + 6) \times (666 - 6/6)) - 6/6 \\
&:= (777/7) + (77 \times (77 + 77)) \\
&:= 8/8 + (88 \times (8 \times (8 + 8) + 8)) \\
&:= 9/9 + ((99/9) \times (((99 \times 99) - 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11970 &:= (11 - 1 - 1) \times ((11^{1+1+1}) - 1) \\
&:= 2 + (2 \times (22 \times ((2^{2 \times (2+2)} + (2^{2+2})))) \\
&:= 3 \times ((3 \times ((33/3)^3)) - 3) \\
&:= ((4 + 4)/4) + (44 \times ((4 \times 4) + 4^4)) \\
&:= ((5^5/5) + 5) \times ((5 \times 5) - (5/5 + 5)) \\
&:= (6 + 6 + 6) \times (666 - 6/6) \\
&:= 7 + (((7 + 7) \times (777 + 77)) + 7) \\
&:= ((8 + 8)/8) + (88 \times (8 \times (8 + 8) + 8)) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11971 &:= 1 + ((11 - 1 - 1) \times ((11^{1+1+1}) - 1)) \\
&:= 2 + (((222/2 - 2)^2) + (2 \times 2 \times 22)) \\
&:= 3/3 + (3 \times ((3 \times ((33/3)^3)) - 3)) \\
&:= 4 + ((44 \times ((4 \times 4) + 4^4)) - 4/4) \\
&:= 5/5 + (((5^5/5) + 5) \times ((5 \times 5) - (5/5 + 5))) \\
&:= 6/6 + ((6 + 6 + 6) \times (666 - 6/6)) \\
&:= 7 + (((7 + 7) \times (777 + 77)) + 7/7) + 7) \\
&:= 88/8 + ((88 \times (8 \times (8 + 8) + 8)) - 8) \\
&:= 9 + (((9/9 + 99) + 9)^{(9+9)/9}) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11972 &:= 1 + (1 + ((11 - 1 - 1) \times ((11^{1+1+1}) - 1))) \\
&:= 2 \times ((22 \times ((2^{2 \times (2+2)}) + (2^{2+2}))) + 2) \\
&:= 3 + ((3 \times ((3 \times ((33/3)^3)) - 3)) - 3/3) \\
&:= 4 + (44 \times ((4 \times 4) + 4^4)) \\
&:= (5 - 5/5) \times ((55 \times 55) - (((5 + 5)/5)^5)) \\
&:= ((6 + 6)/6) + ((6 + 6 + 6) \times (666 - 6/6)) \\
&:= ((77/7) \times ((77 \times (7 + 7)) + (77/7))) - 7 \\
&:= (8 \times 8/(8 + 8)) + (88 \times (8 \times (8 + 8) + 8)) \\
&:= ((9/9 - 9) + (9 \times 9)) \times (((9 + 9)/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11973 &:= 1 + (1 + (1 + ((11 - 1 - 1) \times ((11^{1+1+1}) - 1)))) \\
&:= (2 \times (2 \times 22 + 2)) + ((222/2 - 2)^2) \\
&:= 3 + (3 \times ((3 \times ((33/3)^3)) - 3)) \\
&:= 4 + ((44 \times ((4 \times 4) + 4^4)) + 4/4) \\
&:= (5 \times ((55 \times 55) - 5)) - (((5 + 5)/5) + 5^5) \\
&:= (6 \times 6/(6 + 6)) \times (((6 \times 666) - 6) + 6/6) \\
&:= 7 + (((7 + 7) \times (777 + 77)) + ((77 - 7)/7)) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) - 88/8) + 8) \\
&:= 9 + (((99 + 9)/9) \times (999 - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11974 &:= ((1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 1))) - (1 + 1) \\
&:= 2 + (((2 \times 2 \times 22 + 2)^2) + (2 \times ((2 \times 22)^2))) \\
&:= 3 + ((3 \times ((3 \times ((33/3)^3)) - 3)) + 3/3) \\
&:= 4 + ((44 \times ((4 \times 4) + 4^4)) + ((4 + 4)/4)) \\
&:= (5 \times ((55 \times 55) - 5)) - (5^5 + 5/5) \\
&:= ((6 + 6 + 6) \times 666) - (((6 + 6)/6 + 6) + 6) \\
&:= 7 + (((7 + 7) \times (777 + 77)) + (77/7)) \\
&:= 8 + ((88 \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8)) \\
&:= 9 + (((99 - 9)/9) \times ((999 + 99)/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11975 &:= ((1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 1))) - 1 \\
&:= ((22/2) \times (((22/2) + 22)^2)) - (2 + 2) \\
&:= (3 \times (3 \times ((33/3)^3))) - (3/3 + 3) \\
&:= 4 + (((44 \times ((4 \times 4) + 4^4)) - 4/4) + 4) \\
&:= (5 \times ((55 \times 55) - 5)) - 5^5 \\
&:= ((6 + 6 + 6) \times 666) - (6/6 + 6 + 6) \\
&:= (7 - ((7 + 7)/7)) \times (((7 \times (7 \times 7 \times 7)) - 7) + 7/7) \\
&:= 8 + ((88 \times (8 \times (8 + 8) + 8)) - 8/8) \\
&:= (((99 + 9)/9) \times (999 - 9/9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11976 &:= (1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 1)) \\
&:= 2 \times (((2 \times 22 + 2)^2) + (2 \times ((2 \times 22)^2))) \\
&:= (3 \times (3 \times ((33/3)^3))) - 3 \\
&:= 4 + ((44 \times ((4 \times 4) + 4^4)) + 4) \\
&:= 5/5 + ((5 \times ((55 \times 55) - 5)) - 5^5) \\
&:= ((6 + 6 + 6) \times 666) - (6 + 6) \\
&:= 7 + ((77 \times (77 + 77)) + (777/7)) \\
&:= 8 + (88 \times (8 \times (8 + 8) + 8)) \\
&:= ((99 + 9)/9) \times (999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11977 &:= (11 \times ((11 \times (1 + 1 + 1))^{1+1})) - (1 + 1) \\
&:= ((22/2) \times (((22/2) + 22)^2)) - 2 \\
&:= 3/3 + ((3 \times (3 \times ((33/3)^3))) - 3) \\
&:= 4 + (((44 \times ((4 \times 4) + 4^4)) + 4/4) + 4) \\
&:= ((5 + 5)/5) + ((5 \times ((55 \times 55) - 5)) - 5^5) \\
&:= ((6 + 6 + 6) \times 666) - (66/6) \\
&:= 7 + (((7 + 7) \times (777 + 77)) + 7) + 7) \\
&:= 8 + ((88 \times (8 \times (8 + 8) + 8)) + 8/8) \\
&:= 9 + ((99/9) \times (((99 \times 99) - 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11978 &:= (11 \times ((11 \times (1 + 1 + 1))^{1+1})) - 1 \\
&:= ((22/2) \times (((22/2) + 22)^2)) - 2/2 \\
&:= (3 \times (3 \times ((33/3)^3))) - 3/3 \\
&:= ((44 - 4)/4) + (44 \times ((4 \times 4) + 4^4)) \\
&:= ((555/5) - 5) \times (((555 + 5) + 5)/5) \\
&:= ((6 - 66)/6) + ((6 + 6 + 6) \times 666) \\
&:= ((777/7)^{(7+7)/7}) - (7 \times 7 \times 7) \\
&:= 8 + ((88 \times (8 \times (8 + 8) + 8)) + ((8 + 8)/8)) \\
&:= (999 \times ((99 + 9)/9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11979 &:= 11 \times ((11 \times (1 + 1 + 1))^{1+1}) \\
&:= (22/2) \times (((22/2) + 22)^2) \\
&:= 3 \times (3 \times ((33/3)^3)) \\
&:= (44/4) + (44 \times ((4 \times 4) + 4^4)) \\
&:= 5 + ((5 \times ((55 \times 55) - 5)) - (5^5 + 5/5)) \\
&:= (66/6) \times ((66 \times 66)/(6 - ((6 + 6)/6))) \\
&:= 77/7 \times ((77 \times (7 + 7)) + (77/7)) \\
&:= 88/8 + (88 \times (8 \times (8 + 8) + 8)) \\
&:= 9 \times ((99/9)^{(9+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11980 &:= 1 + (11 \times ((11 \times (1 + 1 + 1))^{1+1})) \\
&:= 2/2 + ((22/2) \times (((22/2) + 22)^2)) \\
&:= 3/3 + (3 \times (3 \times ((33/3)^3))) \\
&:= 4 + (((44 \times ((4 \times 4) + 4^4)) + 4) + 4) \\
&:= 5 + ((5 \times ((55 \times 55) - 5)) - 5^5) \\
&:= ((6 + 6 + 6) \times 666) - ((6 + 6)/6 + 6) \\
&:= 7/7 + ((77/7) \times ((77 \times (7 + 7)) + (77/7))) \\
&:= ((88 + 8)/8) + (88 \times (8 \times (8 + 8) + 8)) \\
&:= 9/9 + (9 \times ((99/9)^{(9+9+9)/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11981 &:= 1 + (1 + (11 \times ((11 \times (1 + 1 + 1))^{1+1}))) \\
&:= 2 + ((22/2) \times (((22/2) + 22)^2)) \\
&:= 3 + ((3 \times (3 \times ((33/3)^3))) - 3/3) \\
&:= ((4/4 + 4) \times (((4 - 4/4) + 4^4) - 4) - 4) \\
&:= 5 + (((5 \times ((55 \times 55) - 5)) - 5^5) + 5/5) \\
&:= ((6 + 6 + 6) \times 666) - (6/6 + 6) \\
&:= 7 + (((7 + 7) \times (777 + 77)) + (77/7)) + 7) \\
&:= ((88 + 8 + 8)/8) + (88 \times (8 \times (8 + 8) + 8)) \\
&:= ((99/9) \times ((99 \times 99) + 9)/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11982 &:= 1 + (1 + (1 + (11 \times ((11 \times (1 + 1 + 1))^{1+1})))) \\
&:= 22 + ((22 - 2) \times (((22 + 2)^2) + 22)) \\
&:= 3 + (3 \times (3 \times ((33/3)^3))) \\
&:= 4 + ((44 \times ((4 \times 4) + 4^4)) + ((44 - 4)/4)) \\
&:= 5 + (((5 \times ((55 \times 55) - 5)) - 5^5) + ((5 + 5)/5)) \\
&:= ((6 + 6 + 6) \times 666) - 6 \\
&:= (7777/7) + (((7 + 7) \times 777) - 7) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8)) + 8) \\
&:= (((99 + 9)/9) \times (999 + 9/9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11983 &:= ((1 + 111) \times (111 - (1 + 1 + 1 + 1))) - 1 \\
&:= 2 + (((22/2) \times (((22/2) + 22)^2)) + 2) \\
&:= 3 + ((3 \times (3 \times ((33/3)^3))) + 3/3) \\
&:= 4 + ((44 \times ((4 \times 4) + 4^4)) + 44/4) \\
&:= (((55 + 5)/5) \times (((5 - 5/5)^5) - (5 \times 5))) - 5 \\
&:= 6/6 + (((6 + 6 + 6) \times 666) - 6) \\
&:= 7 + (((77 \times (77 + 77)) + (777/7)) + 7) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) - 8/8) + 8) \\
&:= (((9 + 9)/9)^9 + 9) \times (((99 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11984 &:= (1 + 111) \times (111 - (1 + 1 + 1 + 1)) \\
&:= 2 \times ((222 \times (((22 + 2/2) + 2) + 2)) - 2) \\
&:= ((33 + 3) \times 333) - (3/3 + 3) \\
&:= 4 \times ((44 \times ((4 \times (4 \times 4)) + 4)) + 4) \\
&:= (5 - 5/5) \times ((5/5 - (5 \times 5 \times 5 + 5)) + 5^5) \\
&:= ((6 + 6)/6) + (((6 + 6 + 6) \times 666) - 6) \\
&:= 77 + ((77 \times (77 + 77)) + (7 \times 7)) \\
&:= 8 + ((88 \times (8 \times (8 + 8) + 8)) + 8) \\
&:= ((99 - 9/9) + 9) \times ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11985 &:= 1 + ((1 + 111) \times (111 - (1 + 1 + 1 + 1))) \\
&:= 2 + (((22/2) \times (((22/2) + 22)^2)) + 2) + 2) \\
&:= ((33 + 3) \times 333) - 3 \\
&:= (4/4 + 4) \times (((4 - 4/4) + 4^4) - 4) \\
&:= 5 + (((5 \times ((55 \times 55) - 5)) - 5^5) + 5) \\
&:= (6 \times 6/(6 + 6)) \times ((6 \times 666) - 6/6) \\
&:= 7 + (((777/7)^{(7+7)/7}) - (7 \times 7 \times 7)) \\
&:= (8/8 + 8 + 8) \times ((8 \times 88) + 8/8) \\
&:= 9 + (((99 + 9)/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11986 &:= (111 \times (111 - (1 + 1 + 1))) - (1 + 1) \\
&:= (222 \times ((2 \times (22 + 2 + 2)) + 2)) - 2 \\
&:= 3/3 + (((33 + 3) \times 333) - 3) \\
&:= 4 \times 4 + ((44 \times ((4 \times 4) + 4^4)) + ((4 + 4)/4)) \\
&:= (55/5) + ((5 \times ((55 \times 55) - 5)) - 5^5) \\
&:= ((6 + 6 + 6) \times 666) - ((6 + 6)/6) \\
&:= (((7 + 7)/7)^7) + (77 \times (77 + 77)) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) + ((8 + 8)/8)) + 8) \\
&:= (999 \times ((99 + 9)/9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11987 &:= (111 \times (111 - (1 + 1 + 1))) - 1 \\
&:= (((222 - 2)/2)^2) - ((222/2) + 2) \\
&:= ((33 + 3) \times 333) - 3/3 \\
&:= (444 \times (44/4 + 4 \times 4)) - 4/4 \\
&:= (5 \times 5^5) + (((555 - 5^5) + 5)/5) - 5^5 \\
&:= ((6 + 6 + 6) \times 666) - 6/6 \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) - (77/7 + 7) \\
&:= 8 + ((88 \times (8 \times (8 + 8) + 8)) + (88/8)) \\
&:= (999 \times ((99 + 9)/9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11988 &:= 111 \times (111 - (1 + 1 + 1)) \\
&:= 222 \times ((2 \times (22 + 2 + 2)) + 2) \\
&:= (33 + 3) \times 333 \\
&:= 444 \times (44/4 + 4 \times 4) \\
&:= ((55 + 5)/5) \times (((5 - 5/5)^5) - (5 \times 5)) \\
&:= (6 + 6 + 6) \times 666 \\
&:= (7 - 7/7) \times ((77/7 + 7) \times (777/7)) \\
&:= 8 + ((88 \times (8 \times (8 + 8) + 8)) + ((88 + 8)/8)) \\
&:= 999 \times ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11989 &:= ((111 - 1)^{1+1}) - 111 \\
&:= (((222 - 2)/2)^2) - (222/2) \\
&:= 3/3 + ((33 + 3) \times 333) \\
&:= 4 + ((4/4 + 4) \times (((4 - 4/4) + 4^4) - 4)) \\
&:= (((5^5 + 5)/5) + 5) \times ((5 \times 5) - (5/5 + 5)) \\
&:= 6/6 + ((6 + 6 + 6) \times 666) \\
&:= (7777/7) + ((7 + 7) \times 777) \\
&:= ((88/8) + 8) \times ((8 \times (88 - 8)) - (8/8 + 8)) \\
&:= 9/9 + (999 \times ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11990 &:= (111 - 1) \times (111 - (1 + 1)) \\
&:= 2 + (222 \times ((2 \times (22 + 2 + 2)) + 2)) \\
&:= 3 + (((33 + 3) \times 333) - 3/3) \\
&:= ((4 + 4)/4) + (444 \times (44/4 + 4 \times 4)) \\
&:= 55 \times (((5 - (5 + 5)/5)^5) - (5 \times 5)) \\
&:= ((6 + 6)/6) + ((6 + 6 + 6) \times 666) \\
&:= 77/7 \times ((77 \times (7 + 7)) + ((77 + 7)/7)) \\
&:= (88/8) \times ((8 \times (8 \times (8 + 8) + 8)) + ((8 + 8)/8)) \\
&:= (99/9) \times (((99 \times 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11991 &:= 1 + ((111 - 1) \times (111 - (1 + 1))) \\
&:= 2 + (((222 - 2)/2)^2) - (222/2) \\
&:= 3 + ((33 + 3) \times 333) \\
&:= 4 + ((444 \times (44/4 + 4 \times 4)) - 4/4) \\
&:= 5/5 + (55 \times (((5 - (5 + 5)/5)^5) - (5 \times 5))) \\
&:= (666/6) + (6 \times (66 \times (6 \times 6 - 6))) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) - (7 + 7) \\
&:= 888 + ((88888/8) - 8) \\
&:= (((99 + 9)/9) \times (999 + 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11992 &:= 111 + ((111 - (1 + 1))^{1+1}) \\
&:= (222/2) + ((222/2 - 2)^2) \\
&:= 3 + (((33 + 3) \times 333) + 3/3) \\
&:= 4 + (444 \times (44/4 + 4 \times 4)) \\
&:= (5 - 5/5) \times (5^5 - ((5 \times 5 \times 5) + ((5 + 5)/5))) \\
&:= 6 + (((6 + 6 + 6) \times 666) - ((6 + 6)/6)) \\
&:= 7/7 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) - (7 + 7)) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) + 8) + 8) \\
&:= (((99/9) + 99)^{(9+9)/9}) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11993 &:= 1 + (111 + ((111 - (1 + 1))^{1+1})) \\
&:= ((222 + 2)/2) + ((222/2 - 2)^2) \\
&:= 3 + (((33 + 3) \times 333) - 3/3) + 3) \\
&:= 4 + (((4/4 + 4) \times (((4 - 4/4) + 4)^4) - 4) + 4) \\
&:= 5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - (5 \times 5))) \\
&:= 6 + (((6 + 6 + 6) \times 666) - 6/6) \\
&:= 7 + ((77 \times (77 + 77)) + (((7 + 7)/7)^7)) \\
&:= 8 + ((8/8 + 8 + 8) \times ((8 \times 88) + 8/8)) \\
&:= (9 \times 99) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11994 &:= 1 + (1 + (111 + ((111 - (1 + 1))^{1+1}))) \\
&:= 2 + (((222/2 - 2)^2) + 222/2) \\
&:= 3 + (((33 + 3) \times 333) + 3) \\
&:= ((44 - 4) \times (44 + 4^4)) - (((4 + 4)/4) + 4) \\
&:= (5/5 + 5) \times (((5 + 5)^{5-5/5}) - 5)/5) \\
&:= 6 + ((6 + 6 + 6) \times 666) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) - (77/7) \\
&:= ((8/8 + 8 + 8) \times (((8 + 8)/8) + (8 \times 88))) - 8 \\
&:= 9 + (((99 + 9)/9) \times (999 - 9/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11995 &:= 1 + (1 + (1 + (111 + ((111 - (1 + 1))^{1+1})))) \\
&:= ((222/2)^2) - (((2^2+2) + 2)^2) + 2) \\
&:= 3 + (((33 + 3) \times 333) + 3/3) + 3) \\
&:= ((44 - 4) \times (44 + 4^4)) - (4/4 + 4) \\
&:= (5 \times (55 \times 55)) - (5^5 + 5) \\
&:= 6 + (((6 + 6 + 6) \times 666) + 6/6) \\
&:= ((7 - 77)/7) + (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) + (88/8)) + 8) \\
&:= 9 + ((999 \times ((99 + 9)/9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11996 &:= ((11 - 1 - 1) \times (1 + (1 + (11^{1+1+1})))) - 1 \\
&:= 2 \times (((2 \times ((2 + 2 + 2)^2) + 2))^2) + 222) \\
&:= 3 \times 3 + (((33 + 3) \times 333) - 3/3) \\
&:= ((44 - 4) \times (44 + 4^4)) - 4 \\
&:= 5/5 + ((5 \times (55 \times 55)) - (5^5 + 5)) \\
&:= 6 + (((6 + 6 + 6) \times 666) + ((6 + 6)/6)) \\
&:= 7 + ((7777/7) + ((7 + 7) \times 777)) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) + ((88 + 8)/8)) + 8) \\
&:= 9 + ((999 \times ((99 + 9)/9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11997 &:= (11 - 1 - 1) \times (1 + (1 + (11^{1+1+1}))) \\
&:= ((222/2)^2) - (((2^2+2) + 2)^2) \\
&:= 3 \times (((3 \times ((33/3)^3)) + 3) + 3) \\
&:= 4/4 + (((44 - 4) \times (44 + 4^4)) - 4) \\
&:= ((5 + 5)/5) + ((5 \times (55 \times 55)) - (5^5 + 5)) \\
&:= 6 + ((6 \times (66 \times (6 \times 6 - 6))) + 666/6) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) - (7/7 + 7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times (88 - 8)) - (8/8 + 8))) \\
&:= 9 + (999 \times ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11998 &:= ((1 + 11) \times ((11 - 1)^{1+1+1})) - (1 + 1) \\
&:= ((22 + 2) \times ((2^2+2) + 22^2)) - 2 \\
&:= 3 \times 3 + (((33 + 3) \times 333) + 3/3) \\
&:= ((44 - 4) \times (44 + 4^4)) - ((4 + 4)/4) \\
&:= (5 \times (55 \times 55)) - (((5 + 5)/5) + 5^5) \\
&:= ((66 - 6)/6) + ((6 + 6 + 6) \times 666) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) - 7 \\
&:= 888 + ((88888/8) - 8/8) \\
&:= 9 + ((999 \times ((99 + 9)/9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 11999 &:= ((1 + 11) \times ((11 - 1)^{1+1+1})) - 1 \\
&:= 2 + (((222/2)^2) - (((2^2+2) + 2)^2)) \\
&:= (33/3) + ((33 + 3) \times 333) \\
&:= ((44 - 4) \times (44 + 4^4)) - 4/4 \\
&:= (5 \times (55 \times 55)) - (5^5 + 5/5) \\
&:= (66/6) + ((6 + 6 + 6) \times 666) \\
&:= 7/7 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) - 7) \\
&:= 888 + (88888/8) \\
&:= 9 + ((99/9) \times (((99 \times 99) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12000 &:= (1 + 11) \times ((11 - 1)^{1+1+1}) \\
&:= (22 + 2) \times ((2^2+2) + 22^2) \\
&:= (3 \times 3 + 3) \times (((3 \times 3) + 3/3)^3) \\
&:= (44 - 4) \times (44 + 4^4) \\
&:= (5 \times (55 \times 55)) - 5^5 \\
&:= 6 + (((6 + 6 + 6) \times 666) + 6) \\
&:= (7 - ((7 + 7)/7)) \times ((7 \times (7 \times 7 \times 7)) - 7/7) \\
&:= ((8 - 8/8) + 8) \times (888 - 88) \\
&:= ((99 + 9)/9) \times (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12001 &:= 1 + ((1 + 11) \times ((11 - 1)^{1+1+1})) \\
&:= (22/2) \times (((22/2) + 22)^2) + 2 \\
&:= 3/3 + ((3 \times 3 + 3) \times (((3 \times 3) + 3/3)^3)) \\
&:= 4/4 + ((44 - 4) \times (44 + 4^4)) \\
&:= 5/5 + ((5 \times (55 \times 55)) - 5^5) \\
&:= 6 + (((6 + 6 + 6) \times 666) + 6/6) + 6 \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) - (77/7) \\
&:= 8 + (((8/8 + 8 + 8) \times ((8 \times 88) + 8/8)) + 8) \\
&:= (99/9) \times (((99 \times 99) + 9) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12002 &:= 1 + (1 + ((1 + 11) \times ((11 - 1)^{1+1+1}))) \\
&:= 2 + ((22 + 2) \times ((2^{2+2}) + 22^2)) \\
&:= 3 + (((33 + 3) \times 333) + (33/3)) \\
&:= ((4 + 4)/4) + ((44 - 4) \times (44 + 4^4)) \\
&:= ((5 + 5)/5) + ((5 \times (55 \times 55)) - 5^5) \\
&:= 6 + (((6 + 6 + 6) \times 666) + ((6 + 6)/6) + 6) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) - ((7 + 7 + 7)/7) \\
&:= (8/8 + 8 + 8) \times (((8 + 8)/8) + (8 \times 88)) \\
&:= (9 \times 99) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12003 &:= 1 + (1 + (1 + ((1 + 11) \times ((11 - 1)^{1+1+1})))) \\
&:= 2 + ((22/2) \times (((22/2) + 22)^2) + 2) \\
&:= (3 \times (3 \times (((33/3)^3) + 3))) - 3 \\
&:= 4 + (((44 - 4) \times (44 + 4^4)) - 4/4) \\
&:= 5 + ((5 \times (55 \times 55)) - (((5 + 5)/5) + 5^5)) \\
&:= (6 \times 6/(6 + 6)) \times (((6 \times 666) - 6/6) + 6) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) - ((7 + 7)/7) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) + (88/8) + 8) + 8) \\
&:= 9/9 + ((99999/9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12004 &:= 1 + (1 + (1 + (1 + ((1 + 11) \times ((11 - 1)^{1+1+1})))))) \\
&:= 22^2 + ((22 - 2) \times ((22 + 2)^2)) \\
&:= 3/3 + ((3 \times (3 \times (((33/3)^3) + 3))) - 3) \\
&:= 4 + ((44 - 4) \times (44 + 4^4)) \\
&:= 5 + ((5 \times (55 \times 55)) - (5^5 + 5/5)) \\
&:= 6 + (((6 + 6 + 6) \times 666) + ((66 - 6)/6)) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) - 7/7 \\
&:= (((888 - 8)/8)^{(8+8)/8}) - (88 + 8) \\
&:= 9 + (((999 \times ((99 + 9)/9)) - ((9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12005 &:= ((11 - 1 - 1) \times (1 + (1 + (1 + (11^{1+1+1})))) - 1 \\
&:= (2/2 + 2 + 2) \times (((2/2 + 2 + 2) + 2)^{2+2}) \\
&:= (3 \times (3 \times (((33/3)^3) + 3))) - 3/3 \\
&:= (4/4 + 4) \times (((4 - 4/4) + 4)^4) \\
&:= 5 + ((5 \times (55 \times 55)) - 5^5) \\
&:= 6 + (((6 + 6 + 6) \times 666) + (66/6)) \\
&:= 7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) \\
&:= ((8 - 88/8) + 8) \times ((8 - 8/8)^{8 \times 8/(8+8)}) \\
&:= 9 + (((999 \times ((99 + 9)/9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12006 &:= (11 - 1 - 1) \times (1 + (1 + (1 + (11^{1+1+1})))) \\
&:= 2 + (((22 - 2) \times ((22 + 2)^2)) + 22^2) \\
&:= 3 \times (3 \times (((33/3)^3) + 3)) \\
&:= 4/4 + ((4/4 + 4) \times (((4 - 4/4) + 4)^4)) \\
&:= 5 + (((5 \times (55 \times 55)) - 5^5) + 5/5) \\
&:= (6 + 6 + 6) \times (666 + 6/6) \\
&:= 7/7 + (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) \\
&:= (8/8 - 88) \times (((8 - 88)/8) - (8 \times (8 + 8))) \\
&:= 9 + ((999 \times ((99 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12007 &:= 1 + ((11 - 1 - 1) \times (1 + (1 + (1 + (11^{1+1+1})))))) \\
&:= 2 + ((2/2 + 2 + 2) \times (((2/2 + 2 + 2) + 2)^{2+2})) \\
&:= 3/3 + (3 \times (3 \times (((33/3)^3) + 3))) \\
&:= 4 + (((44 - 4) \times (44 + 4^4)) - 4/4) + 4 \\
&:= 5 + (((5 \times (55 \times 55)) - 5^5) + ((5 + 5)/5)) \\
&:= 6/6 + ((6 + 6 + 6) \times (666 + 6/6)) \\
&:= ((7 + 7)/7) + (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) \\
&:= 8 + ((88888/8) + 888) \\
&:= 9 + (((999 \times ((99 + 9)/9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12008 &:= 11 + ((11 - 1 - 1) \times (1 + (1 + (11^{1+1+1})))) \\
&:= 2 \times (((22/2) + 2) \times (22^2 - 22)) - 2 \\
&:= 3 + ((3 \times (3 \times (((33/3)^3) + 3))) - 3/3) \\
&:= 4 + (((44 - 4) \times (44 + 4^4)) + 4) \\
&:= (5 - 5/5) \times (((5 + 5)/5) - (5 \times 5 \times 5)) + 5^5 \\
&:= ((6 + 6)/6) + ((6 + 6 + 6) \times (666 + 6/6)) \\
&:= ((7 + 7 + 7)/7) + (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) \\
&:= ((88/8) + 8) \times (8 \times (88 - 8) - 8) \\
&:= 9 + (((99/9) \times ((99 \times 99) + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12009 &:= 11 + (((1 + 11) \times ((11 - 1)^{1+1+1})) - (1 + 1)) \\
&:= (2 \times (2^{2+2+2})) + ((222/2 - 2)^2) \\
&:= 3 + (3 \times (3 \times (((33/3)^3) + 3))) \\
&:= 4 + ((4/4 + 4) \times (((4 - 4/4) + 4)^4)) \\
&:= 5 + (((5 \times (55 \times 55)) - (5^5 + 5/5)) + 5) \\
&:= (6 \times 6/(6 + 6)) \times (((6 \times 666) + 6/6) + 6) \\
&:= (77/7) + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))) - 7) \\
&:= 8/8 + (((88/8) + 8) \times (8 \times (88 - 8) - 8)) \\
&:= 9 + (((99 + 9)/9) \times (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12010 &:= 11 + (((1 + 11) \times ((11 - 1)^{1+1+1})) - 1) \\
&:= ((22 + 2 + 2) \times (22^2 - 22)) - 2 \\
&:= 3 + ((3 \times (3 \times (((33/3)^3) + 3))) + 3/3) \\
&:= (4/4 + 4) \times (((4 - 4/4) + 4)^4) + 4/4 \\
&:= 5 + (((5 \times (55 \times 55)) - 5^5) + 5) \\
&:= ((66 + 66)/6) + ((6 + 6 + 6) \times 666) \\
&:= (7 - ((7 + 7)/7)) \times ((7 \times (7 \times 7 \times 7)) + 7/7) \\
&:= 8 + ((8/8 + 8 + 8) \times (((8 + 8)/8) + (8 \times 88))) \\
&:= 9 + ((99/9) \times (((99 \times 99) + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12011 &:= 11 + ((1 + 11) \times ((11 - 1)^{1+1+1})) \\
&:= ((22 + 2 + 2) \times (22^2 - 22)) - 2/2 \\
&:= 33 + ((3 \times (3 \times ((33/3)^3))) - 3/3) \\
&:= 44 + ((44 \times ((4 \times 4) + 4^4)) - 4/4) \\
&:= (55/5) + ((5 \times (55 \times 55)) - 5^5) \\
&:= 6 + (((6 + 6 + 6) \times 666) + (66/6)) + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) - 7/7) \\
&:= 88/8 + (((8 - 8/8) + 8) \times (888 - 88)) \\
&:= 9 + ((99999/9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12012 &:= (1 + 11) \times (1 + ((11 - 1)^{1+1+1})) \\
&:= (22 + 2 + 2) \times (22^2 - 22) \\
&:= 33 + (3 \times (3 \times ((33/3)^3))) \\
&:= 44 + (44 \times ((4 \times 4) + 4^4)) \\
&:= 5^5 + ((5555/5) + ((5/5 + 5)^5)) \\
&:= 6 + ((6 + 6 + 6) \times (666 + 6/6)) \\
&:= 7 + (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) \\
&:= (((888 - 8)/8)^{(8+8)/8}) - 88 \\
&:= ((99 + 9)/9) \times (((9 + 9)/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12013 &:= 1 + ((1 + 11) \times (1 + ((11 - 1)^{1+1+1}))) \\
&:= 2/2 + ((22 + 2 + 2) \times (22^2 - 22)) \\
&:= 3/3 + ((3 \times (3 \times ((33/3)^3))) + 33) \\
&:= 4 + (((4/4 + 4) \times (((4 - 4/4) + 4^4)) + 4) \\
&:= (((55 + 5)/5) \times ((5 - 5/5)^5)) - (5 \times 55) \\
&:= 6 + (((6 + 6 + 6) \times (666 + 6/6)) + 6/6) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) + 7/7) \\
&:= 8/8 + (((888 - 8)/8)^{(8+8)/8}) - 88 \\
&:= 9/9 + (((99 + 9)/9) \times (((9 + 9)/9) + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12014 &:= 1 + (1 + ((1 + 11) \times (1 + ((11 - 1)^{1+1+1})))) \\
&:= 2 + ((22 + 2 + 2) \times (22^2 - 22)) \\
&:= 3^3 + (((33 + 3) \times 333) - 3/3) \\
&:= 4 + ((4/4 + 4) \times (((4 - 4/4) + 4^4) + 4/4)) \\
&:= (5 \times ((55 \times 55) + 5)) - ((55/5) + 5^5) \\
&:= 6 + (((6 + 6 + 6) \times (666 + 6/6)) + ((6 + 6)/6)) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) + (7 + 7)/7) \\
&:= 8 + ((8/8 - 88) \times (((8 - 88)/8) - (8 \times (8 + 8)))) \\
&:= (((9 + 9)/9)^9) + ((9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12015 &:= 1 + (1 + (1 + ((1 + 11) \times (1 + ((11 - 1)^{1+1+1})))))) \\
&:= (((222 + 2)/2)^2) - ((22 + 2/2)^2) \\
&:= 3 \times ((3 \times ((33/3)^3) + 3)) + 3) \\
&:= (44 + 4/4) \times ((44/4) + 4^4) \\
&:= 5 + (((5 \times (55 \times 55)) - 5^5) + 5) + 5) \\
&:= 6 + ((6 \times 6/(6 + 6)) \times (((6 \times 666) + 6/6) + 6)) \\
&:= ((77 - 7)/7) + (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) \\
&:= (8/8 + 88) \times (((8 \times (8 + 8)) - 8/8) + 8) \\
&:= 9 + (((999 \times ((99 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12016 &:= 1 + (1 + (1 + (1 + ((1 + 11) \times (1 + ((11 - 1)^{1+1+1})))))) \\
&:= ((22 - 2)^2) + (22^2 \times (22 + 2)) \\
&:= 3^3 + (((33 + 3) \times 333) + 3/3) \\
&:= 4 + ((44 \times ((4 \times 4) + 4^4)) + 44) \\
&:= 5 + (((5 \times (55 \times 55)) - 5^5) + (55/5)) \\
&:= (((6 + 6)/6)^{6+6}) + ((6 + 6) \times (666 - 6)) \\
&:= (77/7) + (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) \\
&:= 8 + (((88/8) + 8) \times (8 \times (88 - 8) - 8)) \\
&:= (9 - 9/9) \times (((((9 + 9)/9)^9) - 9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12017 &:= 11 + ((11 - 1 - 1) \times (1 + (1 + (1 + (11^{1+1+1})))))) \\
&:= 2 + (((222 + 2)/2)^2) - ((22 + 2/2)^2) \\
&:= (33/3) + (3 \times (3 \times ((33/3)^3) + 3)) \\
&:= 4 + (((4/4 + 4) \times (((4 - 4/4) + 4^4)) + 4) + 4) \\
&:= 5 + (((5555/5) + ((5/5 + 5)^5)) + 5^5) \\
&:= 6 \times 6 + (((6 + 6 + 6) \times 666) - (6/6 + 6)) \\
&:= 7 + ((7 - ((7 + 7)/7)) \times ((7 \times (7 \times 7 \times 7)) + 7/7)) \\
&:= (8 \times (8 \times 8 \times 8)) + ((8/8 + 88)^{(8+8)/8}) \\
&:= 9 + (((99/9) \times ((99 \times 99) + 9/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12018 &:= ((111 - 1)^{1+1}) - (1 + ((11 - 1 - 1)^{1+1})) \\
&:= 2 + ((22^2 \times (22 + 2)) + ((22 - 2)^2)) \\
&:= 3 + (((33 + 3) \times 333) + 3^3) \\
&:= 4 + (((4/4 + 4) \times (((4 - 4/4) + 4^4) + 4/4)) + 4) \\
&:= 5 + (((55 + 5)/5) \times ((5 - 5/5)^5)) - (5 \times 55) \\
&:= 6 \times 6 + (((6 + 6 + 6) \times 666) - 6) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) - 7/7) + 7) \\
&:= 8 + (((8/8 + 8 + 8) \times (((8 + 8)/8) + (8 \times 88))) + 8) \\
&:= 9 + (((99 + 9)/9) \times (999 + 9/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12019 &:= ((111 - 1)^{1+1}) - ((11 - 1 - 1)^{1+1}) \\
&:= (((22/2)^2) - 2) \times (2222/22) \\
&:= 3 + (((33 + 3) \times 333) + 3^3) + 3/3) \\
&:= 4 + ((44 + 4/4) \times ((44/4) + 4^4)) \\
&:= (5 \times ((55 \times 55) + 5)) - ((5^5 + 5/5) + 5) \\
&:= 6 \times 6 + (((6 + 6 + 6) \times 666) - 6) + 6/6) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) + 7) \\
&:= (8/8 + 8 + 8) \times (((8 \times 88) - 8) + (88/8)) \\
&:= (((99/9) + 99)^{(9+9)/9}) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12020 &:= 1 + (((111 - 1)^{1+1}) - ((11 - 1 - 1)^{1+1})) \\
&:= (2 \times (2 \times (2 - 22))) + (((222 - 2)/2)^2) \\
&:= 33 + (((33 + 3) \times 333) - 3/3) \\
&:= ((4 - 4/4) \times (((4 + 4)^4) - 4)) - 4^4 \\
&:= (5 - 5/5) \times ((5^5 - (5 \times 5 \times 5)) + 5) \\
&:= 6 \times 6 + (((6 + 6 + 6) \times 666) - 6) + ((6 + 6)/6)) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) + 7/7) + 7) \\
&:= 8 + (((888 - 8)/8)^{(8+8)/8}) - 88 \\
&:= 9 + (((99999/9) + (9 \times 99)) + 9)
\end{aligned}$$

- ▶ **12021** := $(111^{1+1}) - ((1+1+1) \times ((11-1)^{1+1}))$
:= $2 + (((22/2)^2) - 2) \times (2222/22)$
:= $33 + ((33+3) \times 333)$
:= $4 \times 4 + ((4/4+4) \times (((4-4/4)+4)^4))$
:= $5^5 + ((55/5+5) \times (555+5/5))$
:= $(6 \times 6/(6+6)) \times ((6 \times 666) + (66/6))$
:= $7 + (((7 \times (7 \times (7 \times ((7 \times 7) - (7+7)))))) + ((7+7)/7)) + 7$
:= $8 \times 8 + ((88 \times (8 \times (8+8) + 8)) - 88/8)$
:= $9 + (((99+9)/9) \times (((9+9)/9) + 999))$
- ▶ **12022** := $11 + (11 + ((1+11) \times ((11-1)^{1+1+1})))$
:= $22 + ((22+2) \times ((2^{2+2}) + 22^2))$
:= $3/3 + (((33+3) \times 333) + 33)$
:= $((4-44)/4) + (4^4 \times ((44-4/4)+4))$
:= $((5+5)/5) + ((5-5/5) \times ((5^5 - (5 \times 5 \times 5)) + 5))$
:= $6 \times 6 + (((6+6+6) \times 666) - ((6+6)/6))$
:= $7 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7+7)))))) + ((77-7)/7)$
:= $8 \times 8 + ((88 \times (8 \times (8+8) + 8)) + ((8-88)/8))$
:= $((9+9) \times 99) + ((99/9+9) \times (((9+9)/9)^9))$
- ▶ **12023** := $11 + ((1+11) \times (1 + ((11-1)^{1+1+1})))$
:= $(22/2) \times (((((22/2) + 22)^2) + 2) + 2)$
:= $(33/3) \times (((33 \times 33) + 3/3) + 3)$
:= $4 + (((44+4/4) \times ((44/4) + 4^4)) + 4)$
:= $(5 \times ((55 \times 55) + 5)) - (((5+5)/5) + 5^5)$
:= $6 \times 6 + (((6+6+6) \times 666) - 6/6)$
:= $((777-7)/7)^{(7+7)/7} - 77$
:= $8 + ((8/8+88) \times (((8 \times (8+8)) - 8/8) + 8))$
:= $(99/9) \times (9999/9 - (9+9))$
- ▶ **12024** := $(1+11) \times (1 + (1 + ((11-1)^{1+1+1})))$
:= $(2+2+2) \times ((2^{22/2}) - (2 \times 22))$
:= $(3 \times 3+3) \times ((3 \times 333) + 3)$
:= $(4^4 \times (44+4)) - (4^4+4+4)$
:= $(5 \times ((55 \times 55) + 5)) - (5^5+5/5)$
:= $6 \times 6 + ((6+6+6) \times 666)$
:= $7 + (((7 - ((7+7)/7)) \times ((7 \times (7 \times 7 \times 7)) + 7/7)) + 7)$
:= $8 \times 8 + ((88 \times (8 \times (8+8) + 8)) - 8)$
:= $(9+9) \times (((9 \times ((9 \times 9) - 9)) + (99/9)) + 9)$
- ▶ **12025** := $1 + ((1+11) \times (1 + (1 + ((11-1)^{1+1+1}))))$
:= $((22+2)^2) + ((222/2 - 2 - 2)^2)$
:= $3/3 + ((3 \times 3+3) \times ((3 \times 333) + 3))$
:= $(4/4+4) \times (((4-4/4)+4)^4) + 4$
:= $(5 \times ((55 \times 55) + 5)) - 5^5$
:= $6 \times 6 + (((6+6+6) \times 666) + 6/6)$
:= $((7-7/7)+7) \times (((77 \times (77+7)) + 7)/7)$
:= $8/8 + (((88 \times (8 \times (8+8) + 8)) - 8) + (8 \times 8))$
:= $9 + ((9-9/9) \times (((((9+9)/9)^9) - 9) + 999))$
- ▶ **12026** := $1 + (1 + ((1+11) \times (1 + (1 + ((11-1)^{1+1+1}))))))$
:= $2 + ((2+2+2) \times ((2^{22/2}) - (2 \times 22)))$
:= $3 + ((33/3) \times (((33 \times 33) + 3/3) + 3))$
:= $4/4 + ((4/4+4) \times (((4-4/4)+4)^4) + 4)$
:= $5/5 + ((5 \times ((55 \times 55) + 5)) - 5^5)$
:= $6 \times 6 + (((6+6+6) \times 666) + ((6+6)/6))$
:= $7 + (((7 \times (7 \times (7 \times ((7 \times 7) - (7+7)))))) + 7) + 7$
:= $8 \times 8 + (((88 \times (8 \times (8+8) + 8)) - 8) + ((8+8)/8))$
:= $9 + (((((99/9) \times ((99 \times 99) + 9)/9)) + 9) + 9) + 9$
- ▶ **12027** := $1 + (1 + (1 + ((1+11) \times (1 + (1 + ((11-1)^{1+1+1}))))))$
:= $2 + (((222/2 - 2 - 2)^2) + (22+2)^2)$
:= $3 + ((3 \times 3+3) \times ((3 \times 333) + 3))$
:= $(4^4 \times (44+4)) - ((4/4+4^4) + 4)$
:= $((5+5)/5) + ((5 \times ((55 \times 55) + 5)) - 5^5)$
:= $(666/6) + (6 \times ((66 \times (6 \times 6 - 6)) + 6))$
:= $(7 \times (7 - (7 \times 7))) + ((777/7)^{(7+7)/7})$
:= $((88/8) + 8) \times ((8 \times (88 - 8) - 8) + 8/8)$
:= $9 + (((((99+9)/9) \times (999+9/9)) + 9) + 9)$
- ▶ **12028** := $((111-1)^{1+1}) - (((1+11)^{1+1})/(1+1))$
:= $22^2 + (2 \times (222 \times (22+2+2)))$
:= $3 + (((3 \times 3+3) \times ((3 \times 333) + 3)) + 3/3)$
:= $(4^4 \times (44+4)) - (4^4+4)$
:= $5 + ((5 \times ((55 \times 55) + 5)) - (((5+5)/5) + 5^5))$
:= $((6 - ((6+6)/6))^{6/6+6}) - (66 \times 66)$
:= $7 \times 7 + ((77/7) \times ((77 \times (7+7)) + (77/7)))$
:= $((888-8)/8)^{(8+8)/8} - ((8 \times 8) + 8)$
:= $9 + (((99/9) + 99)^{(9+9)/9}) - (9 \times 9)$
- ▶ **12029** := $(1+11+11) \times (11 + ((1+1)^{11-1-1}))$
:= $(22+2/2) \times ((2^{(2/2+2)^2}) + (22/2))$
:= $(3 \times (3 \times (((33/3)^3) + 3) + 3)) - (3/3+3)$
:= $4 + ((4/4+4) \times (((4-4/4)+4)^4) + 4)$
:= $5 + ((5 \times ((55 \times 55) + 5)) - (5^5+5/5))$
:= $6 + (((6+6+6) \times 666) - 6/6) + (6 \times 6)$
:= $((7 - ((7+7)/7)) \times (7 \times 7 \times 7 \times 7)) - (77/7)$
:= $((8-8/8) + 8) \times ((8 \times 8 \times 8) + (88/8))$
:= $999 + ((99999/9) - (9 \times 9))$
- ▶ **12030** := $1 + ((1+11+11) \times (11 + ((1+1)^{11-1-1})))$
:= $((22/2) + 2) \times ((2 \times ((22-2)^2)) + 2)$
:= $(3 \times (3 \times (((33/3)^3) + 3) + 3)) - 3$
:= $(4^4 \times (44+4)) - ((4+4)/4+4^4)$
:= $5 + ((5 \times ((55 \times 55) + 5)) - 5^5)$
:= $6 + (((6+6+6) \times 666) + (6 \times 6))$
:= $7 + (((777-7)/7)^{(7+7)/7}) - 77$
:= $8 \times 8 + ((88 \times (8 \times (8+8) + 8)) - ((8+8)/8))$
:= $9 + (((99+9)/9) \times (((9+9)/9) + 999)) + 9$

$$\begin{aligned}
 \blacktriangleright 12031 &:= (111^{1+1}) - ((1+1) \times (1 + ((1+11)^{1+1}))) \\
 &:= ((222/2)^2) - (((22+2)^2)/2) + 2 \\
 &:= 3/3 + ((3 \times (3 \times (((33/3)^3) + 3) + 3))) - 3 \\
 &:= (4^4 \times (44+4)) - (4/4 + 4^4) \\
 &:= 5 + (((5 \times (55 \times 55) + 5)) - 5^5) + 5/5 \\
 &:= 6 + (((6+6+6) \times 666) + (6 \times 6)) + 6/6 \\
 &:= 77 + (((7+7) \times (777+77)) - ((7+7)/7)) \\
 &:= 8 \times 8 + ((88 \times (8 \times (8+8) + 8)) - 8/8) \\
 &:= (9 \times (9 \times (9 \times (9+9)))) - (((99 \times 99) + 9) + 9)/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12036 &:= (1+11) \times (1 + (1 + (1 + ((11-1)^{1+1+1})))) \\
 &:= (((222-2)/2)^2) - (2^{2+2+2}) \\
 &:= 3 + (3 \times (3 \times (((33/3)^3) + 3) + 3)) \\
 &:= 4 + (4^4 \times ((44-4/4) + 4)) \\
 &:= (5-5/5) \times (5^5 - ((555/5) + 5)) \\
 &:= 6 + (((6+6+6) \times 666) + (6 \times 6)) + 6 \\
 &:= (7-7/7) \times (((7+7)/7)^{7/7}) - (7 \times 7) + 7 \\
 &:= (((888-8)/8)^{(8+8)/8}) - (8 \times 8) \\
 &:= ((999/9) - 9) \times (((9/9+99) + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12032 &:= ((1+111)^{1+1}) - ((1+1)^{11-1-1}) \\
 &:= (2^{2 \times (2+2)}) \times (((2 \times 22) + 2/2) + 2) \\
 &:= (3 \times (3 \times (((33/3)^3) + 3) + 3)) - 3/3 \\
 &:= 4^4 \times ((44-4/4) + 4) \\
 &:= (5-5/5) \times (5^5 - ((555+5)/5) + 5) \\
 &:= ((6+6+6) \times (666+6)) - (((6+6)/6)^6) \\
 &:= 77 + (((7+7) \times (777+77)) - 7/7) \\
 &:= 8 \times (((88 \times (8+8)) + 88) + 8) \\
 &:= 9 + ((99/9) \times (9999/9 - (9+9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12037 &:= 1 + ((1+11) \times (1 + (1 + (1 + ((11-1)^{1+1+1})))))) \\
 &:= 2 + (((222/2)^2) - (((22+2)^2)/2) + 2) \\
 &:= 3 + ((3 \times (3 \times (((33/3)^3) + 3) + 3))) + 3/3 \\
 &:= 4 + ((4^4 \times ((44-4/4) + 4)) + 4/4) \\
 &:= 5 + (((5 \times (55 \times 55)) - 5^5) + (((5+5)/5)^5)) \\
 &:= 6 + (((6+6+6) \times 666) + (6 \times 6)) + 6/6 + 6 \\
 &:= 7 + (((777-7)/7)^{(7+7)/7}) - 77 + 7 \\
 &:= ((88/8) \times ((8888/8) - (8+8))) - 8 \\
 &:= 9 + (((99/9) + 99)^{(9+9)/9}) - (9 \times 9) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12033 &:= (111^{1+1}) - ((1+1) \times ((1+11)^{1+1})) \\
 &:= ((222/2)^2) - (((22+2)^2)/2) \\
 &:= 3 \times (3 \times (((33/3)^3) + 3) + 3) \\
 &:= 4/4 + (4^4 \times ((44-4/4) + 4)) \\
 &:= 5 + (((5 \times (55 \times 55) + 5)) - (((5+5)/5) + 5^5)) + 5 \\
 &:= 6 + ((6 \times ((66 \times (6 \times 6 - 6)) + 6)) + 666/6) \\
 &:= 77 + ((7+7) \times (777+77)) \\
 &:= 8/8 + ((88 \times (8 \times (8+8) + 8)) + (8 \times 8)) \\
 &:= (9 \times (9 \times (9 \times (9+9)))) - (99 \times (99/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12038 &:= ((1+1)^{11}) + ((11-1-1) \times (1111-1)) \\
 &:= 2 + (((222-2)/2)^2) - (2^{2+2+2}) \\
 &:= 33 + ((3 \times (3 \times (((33/3)^3) + 3))) - 3/3) \\
 &:= 4 + ((4^4 \times ((44-4/4) + 4)) + ((4+4)/4)) \\
 &:= (5 \times (5-55)) + (((55+5)/5) \times ((5-5/5)^5)) \\
 &:= 6 + (((6+6+6) \times (666+6)) - (((6+6)/6)^6)) \\
 &:= 7 \times 7 + ((7777/7) + ((7+7) \times 777)) \\
 &:= 8 + (((88 \times (8 \times (8+8) + 8)) - ((8+8)/8)) + (8 \times 8)) \\
 &:= 9999 + (((9+9)/9)^{99/9}) - 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12034 &:= 1 + ((111^{1+1}) - ((1+1) \times ((1+11)^{1+1}))) \\
 &:= 2 + (2^{2 \times (2+2)}) \times (((2 \times 22) + 2/2) + 2) \\
 &:= 3/3 + (3 \times (3 \times (((33/3)^3) + 3) + 3)) \\
 &:= ((4+4)/4) + (4^4 \times ((44-4/4) + 4)) \\
 &:= (55/5) \times ((55 \times (5 \times 5 - 5)) - (5/5 + 5)) \\
 &:= (((666-6)/6)^{(6+6)/6}) - 66 \\
 &:= 7/7 + (((7+7) \times (777+77)) + 77) \\
 &:= 8 \times 8 + ((88 \times (8 \times (8+8) + 8)) + ((8+8)/8)) \\
 &:= (99/9) \times (((9999+9)/9) - (9+9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12039 &:= ((111-1)^{1+1}) - ((1 + (11^{1+1}))/ (1+1)) \\
 &:= ((22+2/2)^{2/2+2}) - (2 \times (2^{2+2+2})) \\
 &:= 33 + (3 \times (3 \times (((33/3)^3) + 3))) \\
 &:= 4 + (((4^4 \times (44+4)) - (4/4 + 4^4)) + 4) \\
 &:= (5 \times (5555 - 5^5)) - (555/5) \\
 &:= (6 \times 6/(6+6)) \times (((6 \times 666) + (66/6)) + 6) \\
 &:= ((7 - ((7+7)/7)) \times (7 \times 7 \times 7 \times 7)) - 7/7 \\
 &:= 8 + (((88 \times (8 \times (8+8) + 8)) - 8/8) + (8 \times 8)) \\
 &:= (9 \times (9+9)) + ((999/9) \times ((99-9/9) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12035 &:= 11 + ((1+11) \times (1 + (1 + ((11-1)^{1+1+1})))) \\
 &:= 2 + (((222/2)^2) - (((22+2)^2)/2)) \\
 &:= 3 + ((3 \times (3 \times (((33/3)^3) + 3) + 3)) - 3/3) \\
 &:= 4 + ((4^4 \times (44+4)) - (4/4 + 4^4)) \\
 &:= 5 + (((5 \times (55 \times 55) + 5)) - 5^5) + 5 \\
 &:= 6 \times 6 + (((6+6+6) \times 666) + (66/6)) \\
 &:= (7 - ((7+7)/7)) \times (((7 \times (7 \times 7 \times 7)) - 7/7) + 7) \\
 &:= 8 + (((88/8) + 8) \times ((8 \times (88-8) - 8) + 8/8)) \\
 &:= (9 \times (9 \times (9 \times (9+9)))) + (((9-99 \times 99) + 9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12040 &:= ((111-1)^{1+1}) - (((11^{1+1}) - 1)/(1+1)) \\
 &:= (22-2) \times (((22+2)^2) + 22) + 2 + 2 \\
 &:= 3/3 + ((3 \times (3 \times (((33/3)^3) + 3))) + 33) \\
 &:= 4 + ((4^4 \times ((44-4/4) + 4)) + 4) \\
 &:= (5-5/5) \times (((5^5 - (5 \times 5 \times 5)) + 5) + 5) \\
 &:= 6 + (((666-6)/6)^{(6+6)/6}) - 66 \\
 &:= (7 - ((7+7)/7)) \times (7 \times 7 \times 7 \times 7) \\
 &:= 8 + ((88 \times (8 \times (8+8) + 8)) + (8 \times 8)) \\
 &:= (99/9 + 9) \times (((9+9)/9)^9) + (9 \times 9) + 9
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12041 &:= (11 \times (1111 - 1)) - ((1 + 1 + 11)^{1+1}) \\
&:= (222/2)^2 + ((2 - 22) \times (2^{2+2} - 2)) \\
&:= (33 \times ((3 + 3)^3)) + (((33/3 + 3) + 3)^3) \\
&:= 4 + (((4^4 \times ((44 - 4/4) + 4)) + 4/4) + 4) \\
&:= 5 + ((5 - 5/5) \times (5^5 - ((555/5) + 5))) \\
&:= 6 + (((6 + 6 + 6) \times 666) + (66/6)) + (6 \times 6) \\
&:= 7/7 + ((7 - ((7 + 7)/7)) \times (7 \times 7 \times 7 \times 7 + 7)) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) + (8 \times 8)) + 8/8) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) - 9)) - (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12042 &:= (1 + ((1 + 1) \times 111)) \times (((111 - 1)/(1 + 1)) - 1) \\
&:= (222 + 2/2) \times ((2 \times (22 + 2 + 2)) + 2) \\
&:= 3 \times ((3 \times (((33/3)^3) + 3) + 3)) + 3 \\
&:= ((44 - 4)/4) + (4^4 \times ((44 - 4/4) + 4)) \\
&:= (5/5 + 5) \times (((((5 + 5)^{5-5/5}) + 5) + 5)/5) + 5 \\
&:= 6 \times (((6 \times 666) + 6)/(6 + 6/6)) + 6 \\
&:= 7 + ((7 - ((7 + 7)/7)) \times (((7 \times (7 \times 7 \times 7)) - 7/7) + 7)) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) + ((8 + 8)/8)) + (8 \times 8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) - 9)) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12043 &:= ((111 - 1)^{1+1}) - (1 + ((1 + 111)/(1 + 1))) \\
&:= ((222/2)^2) - ((2^{2 \times (2+2)}) + 22) \\
&:= ((3/3 + 3)^3) + (3 \times (3 \times ((33/3)^3))) \\
&:= (44/4) + (4^4 \times ((44 - 4/4) + 4)) \\
&:= 55 + (((55 + 5)/5) \times (((5 - 5/5)^5) - (5 \times 5))) \\
&:= 66 + (((6 + 6 + 6) \times 666) - (66/6)) \\
&:= (((7 + 7 + 7)/7)^7) + (77 \times (((7 + 7)/7)^7)) \\
&:= 8 \times 8 + ((88 \times (8 \times (8 + 8) + 8)) + (88/8)) \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9))) - 9)) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12044 &:= ((111 - 1)^{1+1}) - ((1 + 111)/(1 + 1)) \\
&:= 22^2 + ((22 - 2) \times (((22 + 2)^2) + 2)) \\
&:= (33/3) + (3 \times (3 \times (((33/3)^3) + 3) + 3)) \\
&:= 44 + ((44 - 4) \times (44 + 4^4)) \\
&:= (5 - 5/5) \times (((55/5) - (5 \times 5 \times 5)) + 5^5) \\
&:= 66 + (((6 + 6 + 6) \times 666) + ((6 - 66)/6)) \\
&:= (((777 - 7)/7)^{(7+7)/7}) - (7 \times 7 + 7) \\
&:= 8 + (((888 - 8)/8)^{(8+8)/8}) - (8 \times 8) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times (9 \times (9 + 9))) - 9)) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12045 &:= 11 \times (1111 - ((1 + 1)^{1+1+1+1})) \\
&:= (22/2) \times ((2222/2) - (2^{2+2})) \\
&:= 3 \times (((3/3 + 3)^{3+3}) - (3 \times 3^3)) \\
&:= (4 - 4/4) \times (((4 + 4)^4) - ((4 - 4/4)^4)) \\
&:= 55 \times ((5 \times 55) - (55 + 5/5)) \\
&:= (6 - 6/6) \times ((66 \times 6/(6 + 6)) + (6 \times (6 \times 66))) \\
&:= (7 - ((7 + 7)/7)) \times (((7 \times (7 \times 7 \times 7)) + 7/7) + 7) \\
&:= (88/8) \times ((8888/8) - (8 + 8)) \\
&:= 9 + (((999/9) - 9) \times (((9/9 + 99) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12046 &:= ((1 + 11 + 11)^{1+1+1}) - (11^{1+1}) \\
&:= (2^{22/2}) + (((2 \times (2 + 2) + 2)^{2+2}) - 2) \\
&:= 3 + ((3 \times (3 \times ((33/3)^3))) + ((3/3 + 3)^3)) \\
&:= (4^4 \times (44 + 4)) - ((44 \times 44)/(4 + 4)) \\
&:= ((555/5)^{(5+5)/5}) - (5 \times 55) \\
&:= (((6 + 6)/6)^6) + (((6 + 6 + 6) \times 666) - 6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) - (7/7 + 7) \\
&:= 8/8 + ((88/8) \times ((8888/8) - (8 + 8))) \\
&:= 9999 + (((9 + 9)/9)^{99/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12047 &:= ((1 + 1)^{11}) + ((11 - 1 - 1) \times 1111) \\
&:= 2 + ((22/2) \times ((2222/2) - (2^{2+2}))) \\
&:= (3 \times 3333) + ((3 - 3/3)^{33/3}) \\
&:= ((4 + 4 + 4) \times ((4 \times (4^4 - 4)) - 4)) - 4/4 \\
&:= ((5 - 5/5) \times (5^5 - ((555 + 5)/5))) - 5 \\
&:= 66 + (((6 + 6 + 6) \times 666) - (6/6 + 6)) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) - 7 \\
&:= 88 + ((88 \times (8 \times (8 + 8) + 8)) - (8/8 + 8)) \\
&:= 9999 + (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12048 &:= ((1 + 1)^{11}) + ((11 - 1)^{1+1+1+1}) \\
&:= (22 + 2) \times (((2^{2+2}) + 22^2) + 2) \\
&:= 3 + (3 \times (((3/3 + 3)^{3+3}) - (3 \times 3^3))) \\
&:= (4 + 4 + 4) \times ((4 \times (4^4 - 4)) - 4) \\
&:= (5 - 5/5) \times (5^5 - (((555 + 5) + 5)/5)) \\
&:= 66 + (((6 + 6 + 6) \times 666) - 6) \\
&:= 7/7 + ((7 \times ((7 \times (7 \times (7 \times 7) - (7 + 7)))) + 7)) - 7 \\
&:= 88 + ((88 \times (8 \times (8 + 8) + 8)) - 8) \\
&:= 9/9 + (((9 + 9)/9)^{99/9}) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12049 &:= 1 + (((1 + 1)^{11}) + ((11 - 1)^{1+1+1+1})) \\
&:= ((22/2)^{2+2}) - (2 \times ((2 + 2 + 2)^{2+2})) \\
&:= ((3/3 + 3)^3) + (((33 + 3) \times 333) - 3) \\
&:= 44 + ((4/4 + 4) \times (((4 - 4/4) + 4)^4)) \\
&:= (5 \times 5^5) - ((55 \times (55 + 5 + 5)) + 5/5) \\
&:= ((6 \times 6 - 6) \times ((6 \times 66) + 6)) - (66/6) \\
&:= 7 \times 7 + ((7 - ((7 + 7)/7)) \times ((7 \times (7 \times 7 \times 7)) - 7/7)) \\
&:= 8/8 + (((88 \times (8 \times (8 + 8) + 8)) - 8) + 88) \\
&:= 9 \times 9 + ((99/9) \times (((99 \times 99) - 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12050 &:= 1 + (1 + (((1 + 1)^{11}) + ((11 - 1)^{1+1+1+1}))) \\
&:= (22^2 - 2) \times ((22 + 2/2) + 2) \\
&:= (((3 + 3)^3) - 3)/3 + (3 \times (3 \times ((33/3)^3))) \\
&:= ((4 + 4)/4) + ((4 + 4 + 4) \times ((4 \times (4^4 - 4)) - 4)) \\
&:= (5 + 5) \times (((5 + 5) \times (5 \times 5 \times 5 - 5)) + 5) \\
&:= (6 - 6/6) \times ((6 \times ((6 \times 66) + 6)) - ((6 + 6)/6)) \\
&:= 7 + ((77 \times (((7 + 7)/7)^7)) + (((7 + 7 + 7)/7)^7)) \\
&:= 88 + (((88 \times (8 \times (8 + 8) + 8)) - 8) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9))) - 9)) - (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12051 &:= (11 \times 1111) - (1 + ((1 + 1 + 11)^{1+1})) \\
&:= 2/2 + ((22^2 - 2) \times ((22 + 2/2) + 2)) \\
&:= 3 \times ((3 \times ((33/3)^3) - 3) + 33) \\
&:= ((44 + 4) \times (4^4 - 4)) - (44 + 4/4) \\
&:= ((5 - 5/5) \times (5^5 - (555/5))) - 5 \\
&:= ((666/6) + 6) \times ((6 \times 6 + 66) + 6/6) \\
&:= (((777 - 7)/7)^{(7+7)/7}) - (7 \times 7) \\
&:= (8/8 + 8) \times (((88/8)^{88/8-8}) + 8) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 9)) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12052 &:= (11 \times 1111) - ((1 + 1 + 11)^{1+1}) \\
&:= 2 + ((22^2 - 2) \times ((22 + 2/2) + 2)) \\
&:= ((3/3 + 3)^3) + ((33 + 3) \times 333) \\
&:= ((44 + 4) \times (4^4 - 4)) - 44 \\
&:= (5 - 5/5) \times (5^5 - ((555 + 5)/5)) \\
&:= (((6 + 6)/6)^6) + ((6 + 6 + 6) \times 666) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) - ((7 + 7)/7) \\
&:= 8 + (((((888 - 8)/8)^{(8+8)/8}) - (8 \times 8)) + 8) \\
&:= 9 + (((9 \times ((9 \times (9 \times (9 + 9))) - 9)) - 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12053 &:= 1 + ((11 \times 1111) - ((1 + 1 + 11)^{1+1})) \\
&:= ((2/2 - 22) \times (2 - ((22 + 2)^2))) - 2/2 \\
&:= ((3^3 - (3/3 + 3))^3) - ((333/3) + 3) \\
&:= 4/4 + (((44 + 4) \times (4^4 - 4)) - 44) \\
&:= 5 + (((5 + 5)/5)^{55/5}) + ((5 + 5)^{5-5/5}) \\
&:= 66 + (((6 + 6 + 6) \times 666) - 6/6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) - 7/7 \\
&:= 8 + ((88/8) \times ((8888/8) - (8 + 8))) \\
&:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12054 &:= ((111 - 1)^{1+1}) - ((1 + 1) \times (1 + 11 + 11)) \\
&:= (2/2 - 22) \times (2 - ((22 + 2)^2)) \\
&:= 3 + (3 \times ((3 \times ((33/3)^3) - 3) + 33)) \\
&:= ((4 + 4)/4) + (((44 + 4) \times (4^4 - 4)) - 44) \\
&:= 55 + ((5 \times (55 \times 55)) - (5^5 + 5/5)) \\
&:= 66 + ((6 + 6 + 6) \times 666) \\
&:= 7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7) \\
&:= 88 + ((88 \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8)) \\
&:= (99 - 9/9) \times (((999 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12055 &:= ((1 + 11 + 11)^{1+1+1}) - (1 + 111) \\
&:= 2/2 + ((2/2 - 22) \times (2 - ((22 + 2)^2))) \\
&:= 3 + (((33 + 3) \times 333) + ((3/3 + 3)^3)) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) - (44 + 4/4)) \\
&:= 55 + ((5 \times (55 \times 55)) - 5^5) \\
&:= 66 + (((6 + 6 + 6) \times 666) + 6/6) \\
&:= 7/7 + (7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) \\
&:= 88 + ((88 \times (8 \times (8 + 8) + 8)) - 8/8) \\
&:= 99 + ((99 - 9/9) \times ((999 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12056 &:= ((1 + 11 + 11)^{1+1+1}) - 111 \\
&:= 22 \times ((2^{2+2+2}) + 22^2) \\
&:= ((3^3 - (3/3 + 3))^3) - (333/3) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) - 44) \\
&:= (5 - 5/5) \times (5^5 - (555/5)) \\
&:= 66 + (((6 + 6 + 6) \times 666) + ((6 + 6)/6)) \\
&:= ((7 + 7)/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) \\
&:= 88 + (88 \times (8 \times (8 + 8) + 8)) \\
&:= 9 + (((9 + 9)/9)^{99/9}) + 9999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12057 &:= 1 + (((1 + 11 + 11)^{1+1+1}) - 111) \\
&:= 2/2 + (22 \times ((2^{2+2+2}) + 22^2)) \\
&:= (3 \times ((3 \times ((33/3)^3)) + 3^3)) - 3 \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) - 44) + 4/4 \\
&:= 5 + ((5 - 5/5) \times (5^5 - ((555 + 5)/5))) \\
&:= ((6 \times 6 - 6) \times ((6 \times 66) + 6)) - (6 \times 6/(6 + 6)) \\
&:= ((7 + 7 + 7)/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) \\
&:= 8/8 + ((88 \times (8 \times (8 + 8) + 8)) + 88) \\
&:= 9 \times 9 + (((99 + 9)/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12058 &:= 1 + (1 + (((1 + 11 + 11)^{1+1+1}) - 111)) \\
&:= 2 + (22 \times ((2^{2+2+2}) + 22^2)) \\
&:= 3/3 + ((3 \times ((3 \times ((33/3)^3)) + 3^3)) - 3) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) - 44) + ((4 + 4)/4) \\
&:= ((5 + 5)/5) + ((5 - 5/5) \times (5^5 - (555/5))) \\
&:= ((6 \times 6 - 6) \times ((6 \times 66) + 6)) - ((6 + 6)/6) \\
&:= 7 + (((777 - 7)/7)^{(7+7)/7}) - (7 \times 7) \\
&:= 88 + ((88 \times (8 \times (8 + 8) + 8)) + ((8 + 8)/8)) \\
&:= ((99/9) \times (((99 \times 99) - 9)/9) + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12059 &:= 11 + (((1 + 1)^{11}) + ((11 - 1)^{1+1+1+1})) \\
&:= 222 + (((222/2)^2) - 22^2) \\
&:= ((3^3 - (3/3 + 3))^3) - (3 \times (33 + 3)) \\
&:= 44 + ((44 + 4/4) \times ((44/4) + 4^4)) \\
&:= ((5 - 5/5) \times (5^5 - (55 + 55))) - 5/5 \\
&:= ((6 \times 6 - 6) \times ((6 \times 66) + 6)) - 6/6 \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) - ((7 + 7)/7)) \\
&:= 8 + ((8/8 + 8) \times (((88/8)^{88/8-8}) + 8)) \\
&:= ((99/9) \times 9999/9) - (9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12060 &:= ((1 + 111)^{1+1}) - ((11 + 11)^{1+1}) \\
&:= (((222 + 2)/2)^2) - 22^2 \\
&:= 3 \times ((3 \times ((33/3)^3)) + 3^3) \\
&:= 444 + (44 \times (4^4 + 4 + 4)) \\
&:= (5 - 5/5) \times (5^5 - (55 + 55)) \\
&:= (6 \times 6 - 6) \times ((6 \times 66) + 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) - 7/7) \\
&:= 88 + ((88 \times (8 \times (8 + 8) + 8)) + (8 \times 8/(8 + 8))) \\
&:= 9 \times (((99/9)^{(9+9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12061 &:= 1 + (((1 + 111)^{1+1}) - ((11 + 11)^{1+1})) \\
&:= 2/2 + (((222 + 2)/2)^2) - 22^2 \\
&:= 3/3 + (3 \times ((3 \times ((33/3)^3)) + 3^3)) \\
&:= ((4/4 + 4)^4) + ((44 \times (4^4 + 4)) - 4) \\
&:= 5 + ((5 - 5/5) \times (5^5 - (555/5))) \\
&:= 6/6 + ((6 \times 6 - 6) \times ((6 \times 66) + 6)) \\
&:= 7 + (7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) \\
&:= 8 + (((88/8) \times ((8888/8) - (8 + 8))) + 8) \\
&:= 9/9 + (9 \times (((99/9)^{(9+9+9)/9}) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12062 &:= ((111 - 1)^{1+1}) - (1 + (111/(1 + 1 + 1))) \\
&:= 2 + (((222 + 2)/2)^2) - 22^2 \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - (3 \times (33 + 3))) \\
&:= 4/4 + (((44 \times (4^4 + 4)) - 4) + ((4/4 + 4)^4)) \\
&:= 5 + (((5 - 5/5) \times (5^5 - ((555 + 5)/5))) + 5) \\
&:= ((6 + 6)/6) + ((6 \times 6 - 6) \times ((6 \times 66) + 6)) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) + 7/7) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8)) + 88) \\
&:= ((9 \times (9 + 9)) + 9/9) \times (((9 + 9)/9) - 9) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12063 &:= ((111 - 1)^{1+1}) - (111/(1 + 1 + 1)) \\
&:= ((222/2)^2) - ((2^{2 \times (2+2)}) + 2) \\
&:= 3 + (3 \times ((3 \times ((33/3)^3)) + 3^3)) \\
&:= (44/4) + (((44 + 4) \times (4^4 - 4)) - 44) \\
&:= ((5 - 5^5)/(5 + 5)) + (5 \times (55 \times (55 - (5 + 5)))) \\
&:= (6 \times 6/(6 + 6)) + ((6 \times 6 - 6) \times ((6 \times 66) + 6)) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) + (7 + 7)/7) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) - 8/8) + 88) \\
&:= 9 + ((99 - 9/9) \times (((999 + 99) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12064 &:= ((111 - 1)^{1+1}) - ((1 + 1 + 1) \times (1 + 11)) \\
&:= 2 \times ((2^{2 \times (2+2+2)}) + ((2 \times 22)^2)) \\
&:= 3 + ((3 \times ((3 \times ((33/3)^3)) + 3^3)) + 3/3) \\
&:= 4 \times (((4 + 4 + 4) \times (4^4 - 4)) - (4 + 4)) \\
&:= (5 - 5/5) \times ((5/5 - (55 + 55)) + 5^5) \\
&:= (((666 - 6)/6)^{(6+6)/6}) - (6 \times 6) \\
&:= ((77 - 7)/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) \\
&:= 8 + ((88 \times (8 \times (8 + 8) + 8)) + 88) \\
&:= (((99/9) + 99)^{(9+9)/9}) - ((9 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12065 &:= (111^{1+1}) - ((1 + 1)^{(1+1)^{1+1+1}}) \\
&:= ((222/2)^2) - (2^{2 \times (2+2)}) \\
&:= ((3^3 - (3/3 + 3))^3) - (3 \times 33 + 3) \\
&:= ((4/4 + 4)^4) + (44 \times (4^4 + 4)) \\
&:= 5 + ((5 - 5/5) \times (5^5 - (55 + 55))) \\
&:= 6 + (((6 \times 6 - 6) \times ((6 \times 66) + 6)) - 6/6) \\
&:= (77/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) \\
&:= ((88 - 8/8) + 8) \times ((8 \times (8 + 8)) - 8/8) \\
&:= 9 + (((9 + 9)/9)^{99/9}) + 9999 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12066 &:= (1 + 1) \times (((1 + 1 + 1) \times ((1 + 1)^{11})) - 111) \\
&:= ((2 + 2 + 2) \times (2^{22/2})) - 222 \\
&:= 3 + ((3 \times ((3 \times ((33/3)^3)) + 3^3)) + 3) \\
&:= 4/4 + ((44 \times (4^4 + 4)) + ((4/4 + 4)^4)) \\
&:= 5 + (((5 - 5/5) \times (5^5 - (555/5))) + 5) \\
&:= 6 + ((6 \times 6 - 6) \times ((6 \times 66) + 6)) \\
&:= 77 + ((7777/7) + ((7 + 7) \times 777)) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) + ((8 + 8)/8)) + 88) \\
&:= 9 + (((99 + 9)/9) \times (999 - 9/9)) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12067 &:= 11 \times (1111 - (1 + 1 + 1 + 11)) \\
&:= 2 + (((222/2)^2) - (2^{2 \times (2+2)})) \\
&:= (33 \times (333 + 33)) - (33/3) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) - 44) + 44/4 \\
&:= (55/5) + ((5 - 5/5) \times (5^5 - (555/5))) \\
&:= 6 + (((6 \times 6 - 6) \times ((6 \times 66) + 6)) + 6/6) \\
&:= 77/7 \times ((7777/7) - (7 + 7)) \\
&:= 88 + ((88 \times (8 \times (8 + 8) + 8)) + (88/8)) \\
&:= (99/9) \times (((99 \times 99) - 9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12068 &:= 1 + (11 \times (1111 - (1 + 1 + 1 + 11))) \\
&:= (((222 - 2)/2)^2) - (2 \times (2^{2+2})) \\
&:= ((3^3 - (3/3 + 3))^3) - (3 \times 33) \\
&:= 4 + (4 \times (((4 + 4 + 4) \times (4^4 - 4)) - (4 + 4))) \\
&:= (55 \times (55 \times (5 - 5/5))) - (((5 + 5)/5)^5) \\
&:= 6 + (((6 \times 6 - 6) \times ((6 \times 66) + 6)) + ((6 + 6)/6)) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) + 7) \\
&:= 88 + ((88 \times (8 \times (8 + 8) + 8)) + ((88 + 8)/8)) \\
&:= 9 \times 9 + ((999 \times ((99 + 9)/9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12069 &:= (11 - 1 - 1) \times (11 + ((11^{1+1+1}) - 1)) \\
&:= 2 + (((222/2)^2) - (2^{2 \times (2+2)})) + 2) \\
&:= 3 \times (((3 \times ((33/3)^3)) + 3^3) + 3) \\
&:= 4 + ((44 \times (4^4 + 4)) + ((4/4 + 4)^4)) \\
&:= ((5 - 5/5) \times ((55 \times 55) - 5)) - (55/5) \\
&:= (((666/6)^{(6+6)/6}) - (6 \times (6 \times 6 + 6))) \\
&:= 7 + (((7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) + 7/7) + 7) \\
&:= (((88/8) + 8) + 8) \times ((8 \times ((8 \times 8) - 8)) - 8/8) \\
&:= 9 \times ((9 \times (9 \times (9 + 9))) - (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12070 &:= (11 - 1) \times ((11 \times (111 - 1)) - (1 + 1 + 1)) \\
&:= 2 + (((222 - 2)/2)^2) - (2 \times (2^{2+2})) \\
&:= 3 + ((33 \times (333 + 33)) - 33/3) \\
&:= 4 + (((44 \times (4^4 + 4)) + ((4/4 + 4)^4)) + 4/4) \\
&:= (5 \times ((5 \times 5) + 5^5)) - (555 + 5^5) \\
&:= 6 + (((666 - 6)/6)^{(6+6)/6}) - (6 \times 6) \\
&:= ((7/7 + 77) + 7) \times (((7 + 7)/7)^7) + 7 + 7) \\
&:= (8/8 + 8 + 8) \times (((8 \times 88) - ((8 + 8)/8)) + 8) \\
&:= 9/9 + ((999 \times ((99 + 9)/9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12071 &:= 1 + ((11 - 1) \times ((11 \times (111 - 1)) - (1 + 1 + 1))) \\
&:= 2 + (((((222/2)^2) - (2^{2 \times (2+2)})) + 2) + 2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - (3 \times 33)) \\
&:= (4 \times (4^4 - 4 \times 4)) + (44444/4) \\
&:= 555 + (((55/5)^{5-5/5}) - 5^5) \\
&:= (66/6) + ((6 \times 6 - 6) \times ((6 \times 66) + 6)) \\
&:= 77 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) - (77/7) \\
&:= (888/8) + ((88 \times (8 \times (8 + 8) + 8)) - 8) \\
&:= 9 \times 9 + ((99/9) \times (((99 \times 99) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12072 &:= (1 + 1) \times (((1 + 1 + 1) \times (1 + ((1 + 1)^{11}))) - 111) \\
&:= 2 \times ((2 \times ((2^{22/2}) + 2)) + ((2 \times 22)^2)) \\
&:= (3 \times ((3/3 + 3)^{3+3})) - ((3 + 3)^3) \\
&:= 44 + ((4^4 \times (44 + 4)) - (4^4 + 4)) \\
&:= (5 - 5/5) \times ((5^5 - ((555 + 5)/5)) + 5) \\
&:= 6 + (((6 \times 6 - 6) \times ((6 \times 66) + 6)) + 6) \\
&:= (((7 + 7)/7)^{7+7}) - (77 \times (7 \times 7 + 7)) \\
&:= (8 + 8 + 8) \times ((8 \times 8 \times 8) - (8/8 + 8)) \\
&:= ((99 + 9)/9) \times ((999 - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12073 &:= ((111 - 1)^{1+1}) - ((1 + 1 + 1)^{1+1+1}) \\
&:= ((2/2 - 22) \times (2/2 - ((22 + 2)^2))) - 2 \\
&:= (((333 - 3)/3)^{3-3/3}) - 3^3 \\
&:= 4 + (((44 \times (4^4 + 4)) + ((4/4 + 4)^4)) + 4) \\
&:= (5 \times 5^5) - (((5 + 5)/5)^5 \times (555/5)) \\
&:= 6 + (((6 \times 6 - 6) \times ((6 \times 66) + 6)) + 6/6) + 6) \\
&:= 7/7 + (((7 + 7)/7)^{7+7}) - (77 \times (7 \times 7 + 7)) \\
&:= 8 + (((88 - 8/8) + 8) \times ((8 \times (8 + 8)) - 8/8)) \\
&:= (((99/9) + 99)^{(9+9)/9}) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12074 &:= ((111 - 1)^{1+1}) - ((1 + 1) \times (1 + 1 + 11)) \\
&:= (((222 - 2)/2)^2) - (22 + 2 + 2) \\
&:= (33 \times (333 + 33)) - (3/3 + 3) \\
&:= ((44 + 4) \times (4^4 - 4)) - (44/((4 + 4)/4)) \\
&:= (55 \times (55 \times (5 - 5/5))) - ((5 \times 5) + 5/5) \\
&:= 6 + (((6 \times 6 - 6) \times ((6 \times 66) + 6)) + ((6 + 6)/6)) + 6) \\
&:= 7 + ((77/7) \times ((7777/7) - (7 + 7))) \\
&:= ((8 + 8)/8) + ((8 + 8 + 8) \times ((8 \times 8 \times 8) - (8/8 + 8))) \\
&:= (9 \times (99 + 9)) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12075 &:= ((111 - 1)^{1+1}) - (1 + (1 + 1) \times (1 + 11)) \\
&:= (2/2 - 22) \times (2/2 - ((22 + 2)^2)) \\
&:= (33 \times (333 + 33)) - 3 \\
&:= (((4^4 + 4)/4) + 4) \times ((4 \times 44) - 4/4) \\
&:= 5 \times ((55 \times (55 - (55/5))) - 5) \\
&:= 6 + (((666/6)^{(6+6)/6}) - (6 \times (6 \times 6 + 6))) \\
&:= 77 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) - 7) \\
&:= 8 + (((88 \times (8 \times (8 + 8) + 8)) + (88/8)) + 88) \\
&:= 99 + (((99 + 9)/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12076 &:= ((111 - 1)^{1+1}) - ((1 + 1) \times (1 + 11)) \\
&:= (((222 - 2)/2)^2) - (22 + 2) \\
&:= 3/3 + ((33 \times (333 + 33)) - 3) \\
&:= 44 + (4^4 \times ((44 - 4/4) + 4)) \\
&:= (5 - 5/5) \times ((5^5 - (555/5)) + 5) \\
&:= 6 + (((((666 - 6)/6)^{(6+6)/6}) - (6 \times 6)) + 6) \\
&:= 7/7 + (((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) - 7) + 77) \\
&:= (((888 - 8)/8)^{(8+8)/8}) - (8 + 8 + 8) \\
&:= 9 + ((99/9) \times (((99 \times 99) - 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12077 &:= (11 \times 1111) - ((1 + 11)^{1+1}) \\
&:= ((222/2)^2) - ((22^2/2) + 2) \\
&:= (33 \times (333 + 33)) - 3/3 \\
&:= 44 + ((4^4 \times ((44 - 4/4) + 4)) + 4/4) \\
&:= 5 + ((5 - 5/5) \times ((5^5 - ((555 + 5)/5)) + 5)) \\
&:= 6 + (((6 \times 6 - 6) \times ((6 \times 66) + 6)) + (66/6)) \\
&:= 7 + (((7/7 + 77) + 7) \times (((((7 + 7)/7)^7) + 7) + 7)) \\
&:= ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - ((88/8) + 8) \\
&:= (99 \times ((999 + 99)/9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12078 &:= 11 \times (1111 - (1 + 1 + 11)) \\
&:= (((222 - 2)/2)^2) - 22 \\
&:= 33 \times (333 + 33) \\
&:= 4^4 + ((4/4 + 4^4) \times (((4 + 4)/4) + 44)) \\
&:= (5/5 + 5) \times (5^5 - ((5555 + 5)/5)) \\
&:= 66 \times ((666/6 + 66) + 6) \\
&:= 77/7 \times (((7777 + 7)/7) - (7 + 7)) \\
&:= ((888 - 8)/8) + (88 \times (8 \times (8 + 8) + 8)) \\
&:= 99 \times ((999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12079 &:= 1 + (11 \times (1111 - (1 + 1 + 11))) \\
&:= ((222/2)^2) - (22^2/2) \\
&:= 3/3 + (33 \times (333 + 33)) \\
&:= (4/4 + 4^4) \times ((44 - 4/4) + 4) \\
&:= ((5 - 5/5) \times ((55 \times 55) - 5)) - 5/5 \\
&:= 6/6 + (66 \times ((666/6 + 66) + 6)) \\
&:= 7 + (((7 + 7)/7)^{7+7}) - (77 \times (7 \times 7 + 7)) \\
&:= (888/8) + (88 \times (8 \times (8 + 8) + 8)) \\
&:= 9/9 + (99 \times ((999 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12080 &:= (11 - 1) \times ((11 \times (111 - 1)) - (1 + 1)) \\
&:= 2 + (((222 - 2)/2)^2) - 22 \\
&:= 3 + ((33 \times (333 + 33)) - 3/3) \\
&:= 4 \times (((4 + 4 + 4) \times (4^4 - 4)) - 4) \\
&:= (5 - 5/5) \times ((55 \times 55) - 5) \\
&:= ((6 + 6)/6) + (66 \times ((666/6 + 66) + 6)) \\
&:= ((7 + 7)/7) \times ((777/7) + (77 \times 77)) \\
&:= (88 - 8) \times ((88 - 8/8) + (8 \times 8)) \\
&:= (9/9 - (9 \times 9)) \times ((99/9) - (9 \times (9 + 9)))
\end{aligned}$$

- ▶ **12081** := $1 + ((11 - 1) \times ((11 \times (111 - 1)) - (1 + 1)))$
:= $2 + (((222/2)^2) - (2^2/2))$
:= $3 + (33 \times (333 + 33))$
:= $4/4 + (4 \times (((4 + 4 + 4) \times (4^4 - 4)) - 4))$
:= $5/5 + ((5 - 5/5) \times ((55 \times 55) - 5))$
:= $(666/6) + ((6 + 6 + 6) \times (666 - 6/6))$
:= $77 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) - 7/7$
:= $8/8 + ((88 - 8) \times ((88 - 8/8) + (8 \times 8)))$
:= $9 \times 9 + (((99 + 9)/9) \times (999 + 9/9))$
- ▶ **12082** := $((111 - 1)^{1+1}) - ((1 + 1) \times (11 - 1 - 1))$
:= $2 + (((((222 - 2)/2)^2) - 22) + 2)$
:= $3 + ((33 \times (333 + 33)) + 3/3)$
:= $((4 + 4)/4) + (4 \times (((4 + 4 + 4) \times (4^4 - 4)) - 4))$
:= $((5 + 5)/5) + ((5 - 5/5) \times ((55 \times 55) - 5))$
:= $((6 + 6) \times 666) + (((6 + 6)/6)^{6+6}) - 6$
:= $77 + (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))$
:= $((8 + 8)/8) + ((88 - 8) \times ((88 - 8/8) + (8 \times 8)))$
:= $((99/9) + 99)^{(9+9)/9} - (9 + 9)$
- ▶ **12083** := $((11 \times ((1 + 1 + 11)^{1+1+1}) - 1)/(1 + 1))$
:= $2 + (((222/2)^2) - (2^2/2)) + 2$
:= $((3^3 - (3/3 + 3))^3) - ((3 \times 3^3) + 3)$
:= $4 + ((4/4 + 4^4) \times ((44 - 4/4) + 4))$
:= $5 + ((5/5 + 5) \times (5^5 - ((5555 + 5)/5)))$
:= $((6 + 6 + 6) \times (666 + 6)) - (6/6 + 6 + 6)$
:= $7/7 + ((7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) + 77$
:= $88/8 + ((8 + 8 + 8) \times ((8 \times 8 \times 8) - (8/8 + 8)))$
:= $(9 \times (99 + 9)) + (99999/9)$
- ▶ **12084** := $(1 + 11) \times (((11 - 1 - 1) \times (1 + 111)) - 1)$
:= $((222 - 2)/2)^2 - (2^{2+2})$
:= $3 + ((33 \times (333 + 33)) + 3)$
:= $4 + (4 \times (((4 + 4 + 4) \times (4^4 - 4)) - 4))$
:= $(5 - 5/5) \times (((55 \times 55) - 5) + 5/5)$
:= $((6 + 6 + 6) \times (666 + 6)) - (6 + 6)$
:= $((7 + 7)/7)^7 + ((7 + 7) \times (777 + 77))$
:= $((888 - 8)/8)^{(8+8)/8} - (8 + 8)$
:= $((99 + 9)/9) \times ((999 - 9/9) + 9)$
- ▶ **12085** := $((111 - 1)^{1+1}) - (1 + (1 + 1 + 1 + 11))$
:= $2/2 + (((222 - 2)/2)^2) - (2^{2+2})$
:= $((33 + 3) \times (333 + 3)) - (33/3)$
:= $((44 + 4) \times (4^4 - 4)) - (44/4)$
:= $5 + ((5 - 5/5) \times ((55 \times 55) - 5))$
:= $((6 + 6 + 6) \times (666 + 6)) - (66/6)$
:= $7 + ((77/7) \times (((7777 + 7)/7) - (7 + 7)))$
:= $((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - (88/8)$
:= $((99 + 9) \times ((999 + 9)/9)) - (99/9)$
- ▶ **12086** := $((111 - 1)^{1+1}) - (1 + 1 + 1 + 11)$
:= $2 + (((222 - 2)/2)^2) - (2^{2+2})$
:= $((3^3 - (3/3 + 3))^3) - (3 \times 3^3)$
:= $((4 - 44)/4) + ((44 + 4) \times (4^4 - 4))$
:= $5 + (((5 - 5/5) \times ((55 \times 55) - 5)) + 5/5)$
:= $((6 - 66)/6) + ((6 + 6 + 6) \times (666 + 6))$
:= $((777 - 7)/7)^{(7+7)/7} - (7 + 7)$
:= $((8 - 88)/8) + ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8))$
:= $9 + ((99 \times ((999 + 9)/9)) - 9/9)$
- ▶ **12087** := $((111 - 1)^{1+1}) - (1 + 1 + 11)$
:= $((222 - 2)/2)^2 - ((22/2) + 2)$
:= $3 \times ((3 \times ((33/3)^3)) + 33) + 3$
:= $((44 + 4) \times (4^4 - 4)) - ((4/4 + 4) + 4)$
:= $((5 - 5/5) \times ((55 \times 55) - ((5 + 5)/5))) - 5$
:= $(666/6) + (((6 + 6 + 6) \times 666) - (6 + 6))$
:= $(7777/7) + ((7 + 7) \times (777 + 7))$
:= $(8/8 + 8 + 8) \times (((8 \times 88) - 8/8) + 8)$
:= $9 + (99 \times ((999 + 9)/9))$
- ▶ **12088** := $((111 - 1)^{1+1}) - 11 - 1$
:= $((222 - 2)/2)^2 - (2 \times (2 + 2 + 2))$
:= $3 + (((33 + 3) \times (333 + 3)) - 33/3)$
:= $((44 + 4) \times (4^4 - 4)) - (4 + 4)$
:= $(5 - 5/5) \times (((55 \times 55) - 5) + ((5 + 5)/5))$
:= $((6 + 6) \times 666) + (((6 + 6)/6)^{6+6})$
:= $7777 + ((77 \times (7 \times 7 + 7)) - 7/7)$
:= $((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - 8$
:= $(9 - 9/9) \times (((9 + 9)/9)^9) + 999$
- ▶ **12089** := $((111 - 1)^{1+1}) - 11$
:= $((222 - 2)/2)^2 - (22/2)$
:= $3 + (((3^3 - (3/3 + 3))^3) - (3 \times 3^3))$
:= $4 + (((44 + 4) \times (4^4 - 4)) - 44/4)$
:= $(55/5) \times ((55 \times (5 \times 5 - 5)) - 5/5)$
:= $(66/6) \times ((6666/6) - (6 + 6))$
:= $7777 + (77 \times (7 \times 7 + 7))$
:= $8/8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - 8)$
:= $(99/9) \times (((99 \times 99) + 9)/9) + 9$
- ▶ **12090** := $1 + (((111 - 1)^{1+1}) - 11)$
:= $((2 - 22)/2) + (((222 - 2)/2)^2)$
:= $((33 + 3) \times (333 + 3)) - (3 + 3)$
:= $((44 + 4) \times (4^4 - 4)) - (((4 + 4)/4) + 4)$
:= $(55 \times (55 \times (5 - 5/5))) - (5 + 5)$
:= $((6 + 6 + 6) \times (666 + 6)) - 6$
:= $(7/7 + 77) \times (7/7 + 77 + 77)$
:= $((8 + 8)/8) + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - 8)$
:= $((999/9) \times ((9/9 + 99) + 9)) - 9$

$$\begin{aligned}
\blacktriangleright 12091 &:= 1 + (1 + (((111 - 1)^{1+1}) - 11)) \\
&:= 2 + (((222 - 2)/2)^2) - (22/2) \\
&:= (((333 - 3)/3)^{3-3/3}) - (3 \times 3) \\
&:= ((44 + 4) \times (4^4 - 4)) - (4/4 + 4) \\
&:= ((5 - 5/5) \times ((55 \times 55) - 5/5)) - 5 \\
&:= 6/6 + (((6 + 6 + 6) \times (666 + 6)) - 6) \\
&:= ((7 + 7) \times (77 - 7)) + (77777/7) \\
&:= (((888 - 8)/8)^{(8+8)/8}) - (8/8 + 8) \\
&:= (((99/9) + 99)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12092 &:= 1 + (1 + (1 + (((111 - 1)^{1+1}) - 11))) \\
&:= (((222 - 2)/2)^2) - (2 \times (2 + 2)) \\
&:= ((33 + 3) \times (333 + 3)) - (3/3 + 3) \\
&:= ((44 + 4) \times (4^4 - 4)) - 4 \\
&:= (5 - 5/5) \times ((55 \times 55) - ((5 + 5)/5)) \\
&:= ((6 + 6)/6) + (((6 + 6 + 6) \times (666 + 6)) - 6) \\
&:= (((777 - 7)/7)^{(7+7)/7}) - (7/7 + 7) \\
&:= (((888 - 8)/8)^{(8+8)/8}) - 8 \\
&:= 9 + ((99999/9) + (9 \times (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12093 &:= 1 + (1 + (1 + (1 + (((111 - 1)^{1+1}) - 11)))) \\
&:= 2 + (((((222 - 2)/2)^2) - (22/2)) + 2) \\
&:= ((33 + 3) \times (333 + 3)) - 3 \\
&:= 4/4 + (((44 + 4) \times (4^4 - 4)) - 4) \\
&:= (55 \times (55 \times (5 - 5/5))) - (((5 + 5)/5) + 5) \\
&:= (666/6) + (((6 + 6 + 6) \times 666) - 6) \\
&:= (((777 - 7)/7)^{(7+7)/7}) - 7 \\
&:= (88 - 8/8) \times (8 \times (8 + 8) + (88/8)) \\
&:= 9 + (((99 + 9)/9) \times ((999 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12094 &:= ((111 - 1)^{1+1}) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= (((222 - 2)/2)^2) - (2 + 2 + 2) \\
&:= 3/3 + (((33 + 3) \times (333 + 3)) - 3) \\
&:= ((44 + 4) \times (4^4 - 4)) - ((4 + 4)/4) \\
&:= (55 \times (55 \times (5 - 5/5))) - (5/5 + 5) \\
&:= (((666 - 6)/6)^{(6+6)/6}) - 6 \\
&:= 7/7 + (((777 - 7)/7)^{(7+7)/7}) - 7 \\
&:= ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - ((8 + 8)/8) \\
&:= ((99 + 9) \times ((999 + 9)/9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12095 &:= ((111 - 1)^{1+1}) - (1 + 1 + 1 + 1 + 1) \\
&:= ((222/2)^2) - ((222 + 2) + 2) \\
&:= ((33 + 3) \times (333 + 3)) - 3/3 \\
&:= ((44 + 4) \times (4^4 - 4)) - 4/4 \\
&:= (55 \times (55 \times (5 - 5/5))) - 5 \\
&:= ((6 + 6 + 6) \times (666 + 6)) - 6/6 \\
&:= 777 + ((7 \times (77 \times (7 + 7 + 7))) - 7/7) \\
&:= ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - 8/8 \\
&:= (((9 + 9)/9)^9) + (99 \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12096 &:= (1 + 111) \times (111 - (1 + 1 + 1)) \\
&:= ((22 + 2)^2) \times (22 - 2/2) \\
&:= (33 + 3) \times (333 + 3) \\
&:= (44 + 4) \times (4^4 - 4) \\
&:= (5 - 5/5) \times ((55 \times 55) - 5/5) \\
&:= (6 + 6 + 6) \times (666 + 6) \\
&:= 7 \times (((77 + 7)/7)^{(7+7+7)/7}) \\
&:= (8 + 8 + 8) \times ((8 \times 8 \times 8) - 8) \\
&:= (99 + 9) \times ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12097 &:= ((111 - 1)^{1+1}) - (1 + 1 + 1) \\
&:= ((222/2)^2) - (222 + 2) \\
&:= 3/3 + ((33 + 3) \times (333 + 3)) \\
&:= 4/4 + ((44 + 4) \times (4^4 - 4)) \\
&:= 5 + ((5 - 5/5) \times ((55 \times 55) - ((5 + 5)/5))) \\
&:= 6/6 + ((6 + 6 + 6) \times (666 + 6)) \\
&:= 7 + ((7/7 + 77) \times (7/7 + 77 + 77)) \\
&:= 8/8 + ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) \\
&:= 9/9 + ((99 + 9) \times ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12098 &:= ((111 - 1)^{1+1}) - (1 + 1) \\
&:= (((222 - 2)/2)^2) - 2 \\
&:= 3 + (((33 + 3) \times (333 + 3)) - 3/3) \\
&:= ((4 + 4)/4) + ((44 + 4) \times (4^4 - 4)) \\
&:= (55 \times (55 \times (5 - 5/5))) - ((5 + 5)/5) \\
&:= ((6 + 6)/6) + ((6 + 6 + 6) \times (666 + 6)) \\
&:= (((777 - 7)/7)^{(7+7)/7}) - ((7 + 7)/7) \\
&:= ((8 + 8)/8) + ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) \\
&:= 9 + ((99/9) \times (((99 \times 99) + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12099 &:= ((111 - 1)^{1+1}) - 1 \\
&:= ((222/2)^2) - 222 \\
&:= 3 + ((33 + 3) \times (333 + 3)) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) - 4/4) \\
&:= (55 \times (55 \times (5 - 5/5))) - 5/5 \\
&:= (666/6) + ((6 + 6 + 6) \times 666) \\
&:= (777/7) \times ((77/7) + (7 \times (7 + 7))) \\
&:= (888/8) \times ((888 - (8 + 8))/8) \\
&:= (999/9) \times ((9/9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12100 &:= (111 - 1)^{1+1} \\
&:= ((222 - 2)/2)^2 \\
&:= (((333 - 3)/3)^{3-3/3}) \\
&:= 4 + ((44 + 4) \times (4^4 - 4)) \\
&:= 55 \times (55 \times (5 - 5/5)) \\
&:= (((666 - 6)/6)^{(6+6)/6}) \\
&:= (((777 - 7)/7)^{(7+7)/7}) \\
&:= (((888 - 8)/8)^{(8+8)/8}) \\
&:= ((99/9) + 99)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12101 &:= 1 + ((111 - 1)^{1+1}) \\
&:= 2/2 + (((222 - 2)/2)^2) \\
&:= 3/3 + (((333 - 3)/3)^{3-3/3}) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) + 4/4) \\
&:= 5/5 + (55 \times (55 \times (5 - 5/5))) \\
&:= 6 + (((6 + 6 + 6) \times (666 + 6)) - 6/6) \\
&:= 7/7 + (((777 - 7)/7)^{(7+7)/7}) \\
&:= 8/8 + (((888 - 8)/8)^{(8+8)/8}) \\
&:= 9/9 + (((99/9) + 99)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12106 &:= ((1 + 1) \times (1 + 1 + 1)) + ((111 - 1)^{1+1}) \\
&:= 2 + (((((222 - 2)/2)^2) + 2) + 2) \\
&:= 3 + (((((333 - 3)/3)^{3-3/3}) + 3) \\
&:= ((44 - 4)/4) + ((44 + 4) \times (4^4 - 4)) \\
&:= 5 + ((55 \times (55 \times (5 - 5/5))) + 5/5) \\
&:= 6 + (((666 - 6)/6)^{(6+6)/6}) \\
&:= 7 + (((777/7) \times ((77/7) + (7 \times (7 + 7)))) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) + ((8 + 8)/8)) \\
&:= 9 + (((99 + 9) \times ((999 + 9)/9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12102 &:= 1 + (1 + ((111 - 1)^{1+1})) \\
&:= 2 + (((222 - 2)/2)^2) \\
&:= 3 + (((33 + 3) \times (333 + 3)) + 3) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) + ((4 + 4)/4)) \\
&:= ((5 + 5)/5) + (55 \times (55 \times (5 - 5/5))) \\
&:= 6 + ((6 + 6 + 6) \times (666 + 6)) \\
&:= ((7 + 7)/7) + (((777 - 7)/7)^{(7+7)/7}) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - ((8 + 8)/8)) \\
&:= ((9 + 9)/9) + (((99/9) + 99)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12107 &:= 1 + (((1 + 1) \times (1 + 1 + 1)) + ((111 - 1)^{1+1})) \\
&:= 2 + ((((((222 - 2)/2)^2) + 2/2) + 2) + 2) \\
&:= (33/3) + ((33 + 3) \times (333 + 3)) \\
&:= (44/4) + ((44 + 4) \times (4^4 - 4)) \\
&:= 5 + ((55 \times (55 \times (5 - 5/5))) + ((5 + 5)/5)) \\
&:= (66/6) + ((6 + 6 + 6) \times (666 + 6)) \\
&:= 7 + (((777 - 7)/7)^{(7+7)/7}) \\
&:= 88/8 + ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) \\
&:= (99/9) + ((99 + 9) \times ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12103 &:= 1 + (1 + (1 + ((111 - 1)^{1+1}))) \\
&:= 2 + (((((222 - 2)/2)^2) + 2/2) \\
&:= 3 + (((333 - 3)/3)^{3-3/3}) \\
&:= 4 + (((((44 + 4) \times (4^4 - 4)) - 4/4) + 4) \\
&:= 5 + ((55 \times (55 \times (5 - 5/5))) - ((5 + 5)/5)) \\
&:= 6 + (((6 + 6 + 6) \times (666 + 6)) + 6/6) \\
&:= 7 \times (((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7) + 7) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - 8/8) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9) - 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12108 &:= 11 + (((111 - 1)^{1+1}) - (1 + 1 + 1)) \\
&:= (2 \times (2 + 2)) + (((222 - 2)/2)^2) \\
&:= 3 + (((33 + 3) \times (333 + 3)) + 3 \times 3) \\
&:= 4 + (((((44 + 4) \times (4^4 - 4)) + 4) + 4) \\
&:= (5 - 5/5) \times ((55 \times 55) + ((5 + 5)/5)) \\
&:= 6 + (((6 + 6 + 6) \times (666 + 6)) + 6) \\
&:= 7 + (((((777 - 7)/7)^{(7+7)/7}) + 7/7) \\
&:= 8 + (((888 - 8)/8)^{(8+8)/8}) \\
&:= 9 + ((999/9) \times ((9/9 + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12104 &:= 1 + (1 + (1 + (1 + ((111 - 1)^{1+1})))) \\
&:= 2 + (((((222 - 2)/2)^2) + 2) \\
&:= 3 + (((((333 - 3)/3)^{3-3/3}) + 3/3) \\
&:= 4 + (((((44 + 4) \times (4^4 - 4)) + 4) \\
&:= (5 - 5/5) \times ((55 \times 55) + 5/5) \\
&:= 6 + (((6 + 6 + 6) \times (666 + 6)) + ((6 + 6)/6)) \\
&:= 7/7 + (7 \times (((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7) + 7)) \\
&:= 8 + ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) \\
&:= 9 + ((99 \times (99 + 9 + 9)) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12109 &:= 11 + (((111 - 1)^{1+1}) - (1 + 1)) \\
&:= (22/2) + (((((222 - 2)/2)^2) - 2) \\
&:= 3 \times 3 + (((333 - 3)/3)^{3-3/3}) \\
&:= 4 + ((((((44 + 4) \times (4^4 - 4)) + 4/4) + 4) + 4) \\
&:= 5 + ((5 - 5/5) \times ((55 \times 55) + 5/5)) \\
&:= 6 + (((6 + 6 + 6) \times (666 + 6)) + 6/6 + 6) \\
&:= 7 + (((((777 - 7)/7)^{(7+7)/7}) + (7 + 7)/7) \\
&:= 8 + (((888 - 8)/8)^{(8+8)/8}) + 8/8) \\
&:= 9 + (((99/9) + 99)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12105 &:= 1 + (1 + (1 + (1 + (1 + ((111 - 1)^{1+1})))))) \\
&:= 2 + ((((((222 - 2)/2)^2) + 2/2) + 2) \\
&:= 3 \times (((3 \times 3 + 3) \times (333 + 3)) + 3) \\
&:= 4 + (((((44 + 4) \times (4^4 - 4)) + 4/4) + 4) \\
&:= 5 + (55 \times (55 \times (5 - 5/5))) \\
&:= ((666/6)^{(6+6)/6}) - (6 \times 6 \times 6) \\
&:= 7 + (((((777 - 7)/7)^{(7+7)/7}) - ((7 + 7)/7)) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) + 8/8) \\
&:= 9 + ((99 + 9) \times ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12110 &:= 11 + (((111 - 1)^{1+1}) - 1) \\
&:= 2 + (((((222 - 2)/2)^2) + (2 \times (2 + 2))) \\
&:= (3 \times 333) + (33333/3) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) + ((44 - 4)/4)) \\
&:= 5 + ((55 \times (55 \times (5 - 5/5))) + 5) \\
&:= 6 + (((6 + 6 + 6) \times (666 + 6)) + ((6 + 6)/6) + 6) \\
&:= 7 + (7 \times (((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7) + 7)) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - ((8 + 8)/8)) + 8) \\
&:= 999 + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12111 &:= 11 + ((111 - 1)^{1+1}) \\
&:= (22/2) + (((222 - 2)/2)^2) \\
&:= 33 + (33 \times (333 + 33)) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) + 44/4) \\
&:= (55/5) + (55 \times (55 \times (5 - 5/5))) \\
&:= 6 + (((666/6)^{(6+6)/6}) - (6 \times 6 \times 6)) \\
&:= (77/7) + (((777 - 7)/7)^{(7+7)/7}) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - 8/8) + 8 \\
&:= (99/9) \times (((9999 - 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12112 &:= 1 + (11 + ((111 - 1)^{1+1})) \\
&:= (2 \times (2 + 2 + 2)) + (((222 - 2)/2)^2) \\
&:= 3 + (((333 - 3)/3)^{3-3/3}) + 3 \times 3 \\
&:= 4 \times (((4 + 4 + 4) \times (4^4 - 4)) + 4) \\
&:= (5 - 5/5) \times (((55 \times 55) - ((5 + 5)/5)) + 5) \\
&:= 6 + (((666 - 6)/6)^{(6+6)/6}) + 6 \\
&:= (77 \times (7 + 7)) + (((7777/7) - 77) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) + 8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - ((99/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12113 &:= 1 + (1 + (11 + ((111 - 1)^{1+1}))) \\
&:= 2 + (((222 - 2)/2)^2) + (22/2) \\
&:= ((3^3 - (3/3 + 3))^3) - (3^3 + 3^3) \\
&:= 4 \times 4 + (((44 + 4) \times (4^4 - 4)) + 4/4) \\
&:= 5 + ((5 - 5/5) \times ((55 \times 55) + ((5 + 5)/5))) \\
&:= 6 + (((6 + 6 + 6) \times (666 + 6)) + (66/6)) \\
&:= 7 + (((777/7) \times ((77/7) + (7 \times (7 + 7)))) + 7) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) + 8/8) + 8 \\
&:= ((99/9) \times (9999/9 - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12114 &:= 1 + (1 + (1 + (11 + ((111 - 1)^{1+1})))) \\
&:= (2^{2+2}) + (((222 - 2)/2)^2) - 2 \\
&:= (3 + 3) \times (((3 + 3) \times (333 + 3)) + 3) \\
&:= 4 \times 4 + (((44 + 4) \times (4^4 - 4)) + ((4 + 4)/4)) \\
&:= 5 + (((5 - 5/5) \times ((55 \times 55) + 5/5)) + 5) \\
&:= (6 + 6 + 6) \times ((666 + 6/6) + 6) \\
&:= 7 + (((777 - 7)/7)^{(7+7)/7}) + 7 \\
&:= ((88/8) \times (((8888 - 8)/8) - 8)) - 8 \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (999 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12115 &:= 1 + (1 + (1 + (1 + (11 + ((111 - 1)^{1+1})))))) \\
&:= 2 + (((((222 - 2)/2)^2) + (22/2)) + 2) \\
&:= 3/3 + ((3 + 3) \times (((3 + 3) \times (333 + 3)) + 3)) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) + 44/4) + 4 \\
&:= ((5 - 5/5) \times ((55 \times 55) + 5)) - 5 \\
&:= 6/6 + ((6 + 6 + 6) \times ((666 + 6/6) + 6)) \\
&:= 7 + (((((777 - 7)/7)^{(7+7)/7}) + 7/7) + 7) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) + (88/8)) \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9)))) - (999 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12116 &:= ((111 - 1)^{1+1}) + ((1 + 1)^{1+1+1+1}) \\
&:= (2^{2+2}) + (((222 - 2)/2)^2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - (3^3 + 3^3)) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) + 4 \times 4) \\
&:= (5 - 5/5) \times (((55 \times 55) - 5/5) + 5) \\
&:= ((6 + 6)/6) + ((6 + 6 + 6) \times ((666 + 6/6) + 6)) \\
&:= (777/7) + (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) \\
&:= 8 + (((888 - 8)/8)^{(8+8)/8}) + 8 \\
&:= 9 + (((99 + 9) \times ((999 + 9)/9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12117 &:= 1 + (((111 - 1)^{1+1}) + ((1 + 1)^{1+1+1+1})) \\
&:= (22 - 2/2) \times (((22 + 2)^2) + 2/2) \\
&:= (3/3 + 3 + 3) \times (((3 \times 3 + 3)^3) + 3) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) + 4 \times 4) + 4/4 \\
&:= 5 + ((55 \times (55 \times (5 - 5/5))) + ((55 + 5)/5)) \\
&:= 6 + (((666/6)^{(6+6)/6}) - (6 \times 6 \times 6)) + 6 \\
&:= (7 + 7 + 7) \times ((7 \times (77 + 7)) - (77/7)) \\
&:= ((88/8) \times ((8888/8) - 8)) - (8 + 8) \\
&:= 9 + (((999/9) \times ((9/9 + 99) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12118 &:= ((111 - 1)^{1+1}) + ((1 + 1) \times (11 - 1 - 1)) \\
&:= 2 + (((222 - 2)/2)^2) + (2^{2+2}) \\
&:= 3/3 + ((3/3 + 3 + 3) \times (((3 \times 3 + 3)^3) + 3)) \\
&:= 44/((4 + 4)/4) + ((44 + 4) \times (4^4 - 4)) \\
&:= (5 \times (5555 - 5^5)) - (((5 + 5)/5)^5) \\
&:= 6 + (((666 - 6)/6)^{(6+6)/6}) + 6 + 6 \\
&:= ((77 - 7/7) + 7) \times ((7 \times (7 + 7 + 7)) - 7/7) \\
&:= ((88 + 88)/8) + ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) \\
&:= 9 + (((99/9) + 99)^{(9+9)/9}) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12119 &:= ((1 + 1) \times (11 - 1)) + (((111 - 1)^{1+1}) - 1) \\
&:= 2 + ((22 - 2/2) \times (((22 + 2)^2) + 2/2)) \\
&:= 33 + (((3^3 - (3/3 + 3))^3) - (3 \times 3^3)) \\
&:= (4 \times (4^4 - 4)) + (44444/4) \\
&:= ((5 - 5/5) \times ((55 \times 55) + 5)) - 5/5 \\
&:= ((66/6) \times (6666/6 - 6)) - (6 \times 6) \\
&:= ((77/7) \times (((7777 - 7)/7) - 7)) - (7 + 7) \\
&:= ((8 + 8 + 8) \times (((8 \times 8 \times 8) - 8) + 8/8)) - 8/8 \\
&:= 9 + ((99999/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12120 &:= (11 - 1) \times (1 + (1 + (11 \times (111 - 1)))) \\
&:= 22 + (((222 - 2)/2)^2) - 2 \\
&:= 3 + ((3/3 + 3 + 3) \times (((3 \times 3 + 3)^3) + 3)) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) + 4 \times 4) + 4 \\
&:= (5 - 5/5) \times ((55 \times 55) + 5) \\
&:= 6 + ((6 + 6 + 6) \times ((666 + 6/6) + 6)) \\
&:= (7 - 7/7) \times ((7 \times ((7 \times (7 \times 7) - 7)) - 7)) + (77/7) \\
&:= (8 + 8 + 8) \times (((8 \times 8 \times 8) - 8) + 8/8) \\
&:= ((99 + 9)/9) \times ((99/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12121 &:= (11 \times (1 + 1111)) - 111 \\
&:= 22 + (((222/2)^2) - 222) \\
&:= 3 + (((3/3 + 3 + 3) \times (((3 \times 3 + 3)^3) + 3)) + 3/3) \\
&:= ((44/4)^4) + ((44 - 4) \times ((4 - 4^4)/4)) \\
&:= 5/5 + ((5 - 5/5) \times ((55 \times 55) + 5)) \\
&:= (6^{6-6/6}) + ((66 \times 66) - (66/6)) \\
&:= 7 + ((((((777 - 7)/7)^{(7+7)/7}) + 7) + 7) \\
&:= (8/8 + 8 + 8) \times (((8 \times 88) + 8/8) + 8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (((9 + 9)/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12122 &:= 11 + (11 + ((111 - 1)^{1+1})) \\
&:= 22 + (((222 - 2)/2)^2) \\
&:= (33/3) \times ((3333/3) - 3 \times 3) \\
&:= (44/4) \times (((4444 - 4)/4) - (4 + 4)) \\
&:= ((5 + 5)/5) + ((5 - 5/5) \times ((55 \times 55) + 5)) \\
&:= (((((6 + 6)/6)^6) - 6) \times ((6 \times 6 \times 6) - (6/6 + 6)) \\
&:= 77/7 \times (((7777 - (7 + 7))/7) - 7) \\
&:= (88/8) \times (((8888 - 8)/8) - 8) \\
&:= (99/9) \times (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12123 &:= 1 + (11 + (11 + ((111 - 1)^{1+1}))) \\
&:= 22 + (((((222 - 2)/2)^2) + 2/2) \\
&:= 3 \times (((3 + 3) \times (3^{3+3})) - 333) \\
&:= 4 + (((44444/4) + (4 \times (4^4 - 4))) \\
&:= (5 \times (5555 - (5^5 + 5))) - ((5 + 5)/5) \\
&:= 6 + ((((((666/6)^{(6+6)/6}) - (6 \times 6 \times 6) + 6) + 6) \\
&:= ((77/7) \times (7777/7)) - (7 \times (7 + 7)) \\
&:= (((88/8) + 8) + 8) \times ((8 \times ((8 \times 8) - 8)) + 8/8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12124 &:= ((1 + 1) \times (1 + 11)) + ((111 - 1)^{1+1}) \\
&:= 2 + (((222 - 2)/2)^2) + 22 \\
&:= 3^3 + (((33 + 3) \times (333 + 3)) + 3/3) \\
&:= 44 + (4 \times (((4 + 4 + 4) \times (4^4 - 4)) - 4)) \\
&:= (5 - 5/5) \times (((55 \times 55) + 5/5) + 5) \\
&:= (((6 + 6)/6)^6) + ((6 \times 6 - 6) \times ((6 \times 66) + 6)) \\
&:= ((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7)) - 77 \\
&:= 8 + (((((888 - 8)/8)^{(8+8)/8}) + 8) + 8) \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9)))) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12125 &:= 1 + (((1 + 1) \times (1 + 11)) + ((111 - 1)^{1+1})) \\
&:= ((22 + 2/2) + 2) \times (22^2 + 2/2) \\
&:= ((3^3 - (3/3 + 3))^3) - (3 \times 3 + 33) \\
&:= ((44/4)^4) - (4 \times (((4/4 + 4)^4) + 4)) \\
&:= 5 \times (5555 - (5^5 + 5)) \\
&:= 66 + (((6 \times 6 - 6) \times ((6 \times 66) + 6)) - 6/6) \\
&:= ((7 \times (7 + 7)) - 7/7) \times (((777/7) + 7) + 7) \\
&:= ((88/8) \times ((8888/8) - 8)) - 8 \\
&:= ((9 + 9)/9) + ((9 \times (9 \times (9 \times (9 + 9)))) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12126 &:= ((111 - 1)^{1+1}) + ((1 + 1) \times (1 + 1 + 11)) \\
&:= 2 + (((((222 - 2)/2)^2) + 22) + 2) \\
&:= 3 + (((33 + 3) \times (333 + 3)) + 3^3) \\
&:= ((44 - 4/4) + 4) \times ((4 + 4)/4 + 4^4) \\
&:= 5/5 + (5 \times (5555 - (5^5 + 5))) \\
&:= 66 + ((6 \times 6 - 6) \times ((6 \times 66) + 6)) \\
&:= ((77/7) \times (((7777 - 7)/7) - 7)) - 7 \\
&:= (8 \times (8 + 8) + 8/8) \times ((88 - ((8 + 8)/8)) + 8) \\
&:= 9 + (((999/9) \times ((9/9 + 99) + 9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12127 &:= ((111 - 1)^{1+1}) + ((1 + 1 + 1)^{1+1+1}) \\
&:= 2 + (((22 + 2/2) + 2) \times (22^2 + 2/2)) \\
&:= 3^3 + (((333 - 3)/3)^{3-3/3}) \\
&:= (4 \times (4 + 4)) + (((44 + 4) \times (4^4 - 4)) - 4/4) \\
&:= ((5 + 5)/5) + (5 \times (5555 - (5^5 + 5))) \\
&:= (66 + 6/6) \times ((6 \times (6 \times 6 - 6)) + 6/6) \\
&:= 7 + ((7 - 7/7) \times ((7 \times ((7 \times (7 \times 7) - 7)) - 7)) + (77/7)) \\
&:= (8 \times (8 \times (8 + 8))) + ((88888/8) - 8) \\
&:= 9 + (((99/9) + 99)^{(9+9)/9}) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12128 &:= 1 + (((111 - 1)^{1+1}) + ((1 + 1 + 1)^{1+1+1})) \\
&:= 2 + ((((((222 - 2)/2)^2) + 22) + 2) + 2) \\
&:= ((3^3 - (3/3 + 3))^3) - ((33 + 3) + 3) \\
&:= 4 \times (((4 + 4 + 4) \times (4^4 - 4)) + 4) + 4 \\
&:= (5 - 5/5) \times (((55 \times 55) + ((5 + 5)/5)) + 5) \\
&:= 6 + ((((((6 + 6)/6)^6) - 6) \times ((6 \times 6 \times 6) - (6/6 + 6)) \\
&:= 7 + ((((((777 - 7)/7)^{(7+7)/7}) + 7) + 7) + 7) \\
&:= 8 + ((8 + 8 + 8) \times (((8 \times 8 \times 8) - 8) + 8/8)) \\
&:= 9 + ((99999/9) + 999) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12129 &:= ((111 - 1)^{1+1}) + (((11 - 1) \times (1 + 1 + 1)) - 1) \\
&:= ((222/2)^2) - (2 \times (2 \times (2 \times (22 + 2)))) \\
&:= 33 + ((33 + 3) \times (333 + 3)) \\
&:= 4 + (((44/4)^4) - (4 \times (((4/4 + 4)^4) + 4))) \\
&:= 5 + (((5 \times 5 - 5) \times 555) + ((5 - 5/5)^5)) \\
&:= (6^{6-6/6}) + ((66 \times 66) - (6 \times 6/(6 + 6))) \\
&:= 7 + ((77/7) \times (((7777 - (7 + 7))/7) - 7)) \\
&:= (8 \times ((8 \times 88) - 8)) + (((88/8) - 8)^8) \\
&:= 9 + (((99 + 9)/9) \times ((99/9) + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12130 &:= (11 - 1) \times (1 + (1 + (1 + (11 \times (111 - 1)))))) \\
&:= 22 + (((((222 - 2)/2)^2) + (2 \times (2 + 2))) \\
&:= 3 + (((333 - 3)/3)^{3-3/3}) + 3^3) \\
&:= 4 + (((44 - 4/4) + 4) \times ((4 + 4)/4 + 4^4)) \\
&:= 5 + (5 \times (5555 - (5^5 + 5))) \\
&:= 6 \times 6 + (((666 - 6)/6)^{(6+6)/6}) - 6) \\
&:= ((77/7) \times (7777/7 - 7)) - (7 + 7) \\
&:= 8 + ((88/8) \times (((8888 - 8)/8) - 8)) \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9)))) - (((9 + 9)/9) + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12131 &:= (11 \times (1 + 1 + 1111)) - (1 + 111) \\
&:= ((22 + 2/2)^{2/2+2}) - ((2 + 2 + 2)^2) \\
&:= ((3^3 - (3/3 + 3))^3) - (33 + 3) \\
&:= (4 \times 4^4) + ((44444/4) - 4) \\
&:= 5 + ((5 \times (5555 - (5^5 + 5))) + 5/5) \\
&:= (6^{6-6/6}) + ((66 \times 66) - 6/6) \\
&:= 77 + (7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) \\
&:= 8 + (((88/8) + 8) + 8) \times ((8 \times ((8 \times 8) - 8)) + 8/8) \\
&:= 9 + ((99/9) \times (9999/9 - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12132 &:= (1 + 11) \times (11 + ((11 - 1)^{1+1+1})) \\
&:= (2 \times (2^{2+2})) + (((222 - 2)/2)^2) \\
&:= (3 \times 3 + 3) \times ((3 \times (333 + 3)) + 3) \\
&:= 4 + (((44 + 4) \times (4^4 - 4)) + (4 \times (4 + 4))) \\
&:= (((5 + 5)/5)^5) + (55 \times (55 \times (5 - 5/5))) \\
&:= (6^{6-6/6}) + (66 \times 66) \\
&:= 7 + (((7 \times (7 + 7)) - 7/7) \times (((777/7) + 7) + 7)) \\
&:= ((88/8) \times ((8888/8) - 8)) - 8/8 \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9)))) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12133 &:= 11 \times (1 + (1 + (1 + (1111 - 11)))) \\
&:= 22 + (((222 - 2)/2)^2) + (22/2) \\
&:= 33 + (((333 - 3)/3)^{3-3/3}) \\
&:= (44/4) \times ((4444/4) - (4 + 4)) \\
&:= 5 + ((5 - 5/5) \times (((55 \times 55) + ((5 + 5)/5) + 5)) \\
&:= 6/6 + ((6^{6-6/6}) + (66 \times 66)) \\
&:= 77/7 \times (((7777 - 7)/7) - 7) \\
&:= (88/8) \times ((8888/8) - 8) \\
&:= (99/9) \times (((9999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12134 &:= 11111 + (((1 + 1)^{11-1}) - 1) \\
&:= 2 + (((222 - 2)/2)^2) + (2 \times (2^{2+2})) \\
&:= ((3^3 - (3/3 + 3))^3) - 33 \\
&:= (4 \times 4^4) + (44444/4 - 4/4) \\
&:= ((5 - 5/5)^5) + ((5 + 5) \times (5555/5)) \\
&:= ((6 + 6)/6) + ((6^{6-6/6}) + (66 \times 66)) \\
&:= 7/7 + ((77/7) \times (((7777 - 7)/7) - 7)) \\
&:= 8/8 + ((88/8) \times ((8888/8) - 8)) \\
&:= (99/9) + ((9 \times (9 \times (9 \times (9 + 9)))) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12135 &:= 11111 + ((1 + 1)^{11-1}) \\
&:= (2^{2 \times (2+2)}) + (((222/2 - 2)^2) - 2) \\
&:= 3 + ((3 \times 3 + 3) \times ((3 \times (333 + 3)) + 3)) \\
&:= (4 \times 4^4) + (44444/4) \\
&:= 5 + ((5 \times (5555 - (5^5 + 5))) + 5) \\
&:= 6 \times 6 + (((6 + 6 + 6) \times 666) + 666/6) \\
&:= 7 \times 7 + (((777 - 7)/7)^{(7+7)/7}) - (7 + 7) \\
&:= (8 \times (8 \times (8 + 8))) + (88888/8) \\
&:= ((99 + 9)/9) + ((9 \times (9 \times (9 \times (9 + 9)))) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12136 &:= 1 + (11111 + ((1 + 1)^{11-1})) \\
&:= ((2 + 2 + 2)^2) + (((222 - 2)/2)^2) \\
&:= 3 + (((333 - 3)/3)^{3-3/3}) + 33 \\
&:= 44 + (((44 + 4) \times (4^4 - 4)) - 4) \\
&:= (55/5) + (5 \times (5555 - (5^5 + 5))) \\
&:= 6 \times 6 + (((666 - 6)/6)^{(6+6)/6}) \\
&:= (7777/7) + ((7 \times (7 + 7) + 7)^{(7+7)/7}) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)) - 88 \\
&:= 9 + ((((((99/9) + 99)^{(9+9)/9}) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12137 &:= 1 + (1 + (11111 + ((1 + 1)^{11-1}))) \\
&:= (2^{2 \times (2+2)}) + ((222/2 - 2)^2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - 33) \\
&:= ((44/4)^4) - ((4 \times ((4/4 + 4)^4)) + 4) \\
&:= 5 + ((55 \times (55 \times (5 - 5/5))) + (((5 + 5)/5)^5)) \\
&:= 6 + (((6^{6-6/6}) - 6/6) + (66 \times 66)) \\
&:= ((77/7) \times (7777/7 - 7)) - 7 \\
&:= 8 + ((8 \times ((8 \times 88) - 8)) + (((88/8) - 8)^8)) \\
&:= 9 + (((99999/9) + 999) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12138 &:= 1 + (1 + (1 + (11111 + ((1 + 1)^{11-1})))) \\
&:= (22 - 2/2) \times (((22 + 2)^2) + 2) \\
&:= (3/3 + 3 + 3) \times (((3 \times 3 + 3)^3) + 3) + 3) \\
&:= 44 + (((44 + 4) \times (4^4 - 4)) - ((4 + 4)/4)) \\
&:= (5/5 + 5) \times (((5 + 5)/5)^{55/5}) - (5 \times 5) \\
&:= 6 + ((6^{6-6/6}) + (66 \times 66)) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) + 7)) + 77) \\
&:= (8/8 + 8 + 8) \times (((8 + 8)/8) + (8 \times 88)) + 8) \\
&:= ((999/9) - 9) \times (((99/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12139 &:= ((111 - 1)^{1+1}) + ((1 + 1 + 1) \times (1 + 1 + 11)) \\
&:= 2 + (((222/2 - 2)^2) + (2^{2 \times (2+2)})) \\
&:= ((3^3 - (3/3 + 3))^3) - (3^3 + 3/3) \\
&:= 4 + ((44444/4) + (4 \times 4^4)) \\
&:= (5 \times (5555 - 5^5)) - (55/5) \\
&:= 6 + (((6^{6-6/6}) + (66 \times 66)) + 6/6) \\
&:= 7 \times 7 + ((7/7 + 77) \times (7/7 + 77 + 77)) \\
&:= (((8 \times 8) - 88/8) + 8) \times ((888/8) + 88) \\
&:= (9 \times ((9 \times (9 \times (9 + 9)))) - (99 + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12140 &:= (11 \times 1111) - ((11 - 1 - 1)^{1+1}) \\
&:= 2 + ((22 - 2/2) \times (((22 + 2)^2) + 2)) \\
&:= ((3^3 - (3/3 + 3))^3) - 3^3 \\
&:= 44 + ((44 + 4) \times (4^4 - 4)) \\
&:= (5 - 5/5) \times (((55 \times 55) + 5) + 5) \\
&:= 6 + (((6^{6-6/6}) + (66 \times 66)) + ((6 + 6)/6)) \\
&:= 7 + ((77/7) \times (((7777 - 7)/7) - 7)) \\
&:= 8 + (((88/8) \times ((8888/8) - 8)) - 8/8) \\
&:= ((99/9) \times 9999/9) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 12141 &:= 1 + ((11 \times 1111) - ((11 - 1 - 1)^{1+1})) \\ &:= ((22/2)^{2+2}) - (((2 \times (22 + 2)) + 2)^2) \\ &:= 3 \times (3 \times (((33/3)^3) + (3 \times (3 + 3)))) \\ &:= ((44/4)^4) - (4 \times ((4/4 + 4)^4)) \\ &:= 5/5 + ((5 - 5/5) \times (((55 \times 55) + 5) + 5)) \\ &:= (6 \times (6 - 6 \times 6)) + (((666/6)^{(6+6)/6}) \\ &:= ((7/7 - 7) + 77) \times (((7 \times (7 \times 7 \times 7)) - 7)/(7 + 7)) \\ &:= 8 + ((88/8) \times ((8888/8) - 8)) \\ &:= ((9/9 + 9) + 9) \times ((9 \times ((9 \times 9) - 9)) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12142 &:= ((111 - 1)^{1+1}) + ((1 + 1) \times (11 + (11 - 1))) \\ &:= ((22 + 2) \times (22^2 + 22)) - 2 \\ &:= 3 + (((3^3 - (3/3 + 3))^3) - (3^3 + 3/3)) \\ &:= (44 \times (((4 \times 4) + 4^4) + 4)) - ((4 + 4)/4) \\ &:= (((5 \times 5) - ((5 + 5)/5))^{5-(5+5)/5}) - (5 \times 5) \\ &:= 6 + (((666 - 6)/6)^{(6+6)/6}) + (6 \times 6) \\ &:= 7 \times 7 + (((777 - 7)/7)^{(7+7)/7}) - 7 \\ &:= 8 + (((88/8) \times ((8888/8) - 8)) + 8/8) \\ &:= 9 + ((99/9) \times (((9999 + 9)/9) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12143 &:= (11 \times (1 + (1 + 1 + 1111))) - 111 \\ &:= ((22 + 2/2)^{2/2+2}) - (22 + 2) \\ &:= 3 + (((3^3 - (3/3 + 3))^3) - 3^3) \\ &:= (44 \times (((4 \times 4) + 4^4) + 4)) - 4/4 \\ &:= (5 \times (5555 - 5^5)) - (((5 + 5)/5) + 5) \\ &:= (66/6) + ((6^{6-6/6}) + (66 \times 66)) \\ &:= ((77/7) \times (7777/7 - 7)) - 7/7 \\ &:= 8 + ((88888/8) + (8 \times (8 \times (8 + 8)))) \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - 999) + (99/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12144 &:= (1 + 11) \times (((1 + 1)^{11-1}) - (1 + 11)) \\ &:= (22 + 2) \times (22^2 + 22) \\ &:= 3 + (3 \times (3 \times (((33/3)^3) + (3 \times (3 + 3)))) \\ &:= 44 \times (((4 \times 4) + 4^4) + 4) \\ &:= (5 - 5/5) \times ((55 \times 55) + (55/5)) \\ &:= 6 + (((6^{6-6/6}) + (66 \times 66)) + 6) \\ &:= 77/7 \times (7777/7 - 7) \\ &:= 88 \times ((8 \times (8 + 8) + ((8 + 8)/8)) + 8) \\ &:= (99/9) \times (((9999 + 9) + 9)/9) - 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12145 &:= 1 + ((1 + 11) \times (((1 + 1)^{11-1}) - (1 + 11))) \\ &:= ((22 + 2/2)^{2/2+2}) - 22 \\ &:= (33/3) + (((3^3 - (3/3 + 3))^3) - 33) \\ &:= 4/4 + (44 \times (((4 \times 4) + 4^4) + 4)) \\ &:= (5 \times (5555 - 5^5)) - 5 \\ &:= 6 + (((6^{6-6/6}) + (66 \times 66)) + 6/6) + 6) \\ &:= 7 \times (((77 + 7)/7)^{(7+7+7)/7}) + 7 \\ &:= 8/8 + (((8 \times (88 \times (8 + 8))) - 8) + 888) \\ &:= 9 + ((((((99/9) + 99)^{(9+9)/9}) + 9) + 9) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12146 &:= 11 + (11111 + ((1 + 1)^{11-1})) \\ &:= 2 + ((22 + 2) \times (22^2 + 22)) \\ &:= 3 + (((3^3 - (3/3 + 3))^3) - 3^3) + 3) \\ &:= ((4 + 4)/4) + (44 \times (((4 \times 4) + 4^4) + 4)) \\ &:= 5/5 + ((5 \times (5555 - 5^5)) - 5) \\ &:= (((6 \times 6 \times 6) + 6/6) \times (((6 - 66)/6) + 66)) - 6 \\ &:= 7/7 + ((7 \times ((77 \times (7 + 7 + 7)) + 7)) + 777) \\ &:= ((88/8) \times ((8888 - 8)/8)) - (8 \times 8) \\ &:= 99 + (((9 + 9)/9)^{99/9}) + 9999 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12147 &:= 1 + (11 + (11111 + ((1 + 1)^{11-1}))) \\ &:= 2 + (((22 + 2/2)^{2/2+2}) - 22) \\ &:= (3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) + 3 \times 3)))) - 3 \\ &:= 4 + ((44 \times (((4 \times 4) + 4^4) + 4)) - 4/4) \\ &:= ((5 + 5)/5) + ((5 \times (5555 - 5^5)) - 5) \\ &:= 6 + (((666/6)^{(6+6)/6}) + (6 \times (6 - 6 \times 6))) \\ &:= 7 + (((77/7) \times (((7777 - 7)/7) - 7)) + 7) \\ &:= ((8/8 + 8 + 8) \times ((88/8) + (8 \times 88))) - 8 \\ &:= 9 + (((999/9) - 9) \times (((99/9) + 99) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12148 &:= ((1 + 1)^{11}) + ((111111/11) - 1) \\ &:= 2 + (((22 + 2) \times (22^2 + 22)) + 2) \\ &:= ((3^3 - (3/3 + 3))^3) - ((3 \times (3 + 3)) + 3/3) \\ &:= 4 + (44 \times (((4 \times 4) + 4^4) + 4)) \\ &:= (5 \times (5555 - 5^5)) - ((5 + 5)/5) \\ &:= (((666 + 6)/6)^{(6+6)/6}) - (6 \times 66) \\ &:= ((77/7) \times (((7777 + 7)/7) - 7)) - 7 \\ &:= ((8 + 8) \times ((8 \times (88 + 8)) - 8)) - ((88 + 8)/8) \\ &:= (9 \times ((9 \times (9 \times (9 + 9))) - (99 + 9))) - ((9 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12149 &:= ((1 + 1)^{11}) + (111111/11) \\ &:= 2 + (((22 + 2/2)^{2/2+2}) - 22) + 2) \\ &:= ((3^3 - (3/3 + 3))^3) - (3 \times (3 + 3)) \\ &:= 4 + ((44 \times (((4 \times 4) + 4^4) + 4)) + 4/4) \\ &:= (5 \times (5555 - 5^5)) - 5/5 \\ &:= ((66/6) \times (6666/6 - 6)) - 6 \\ &:= 7 \times 7 + (((777 - 7)/7)^{(7+7)/7}) \\ &:= ((8 + 8) \times ((8 \times (88 + 8)) - 8)) - (88/8) \\ &:= (9 \times ((9 \times (9 \times (9 + 9))) - (99 + 9))) - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12150 &:= 1 + (((1 + 1)^{11}) + (111111/11)) \\ &:= (2 + 2 + 2) \times (((2 \times 22) + 2/2)^2) \\ &:= 3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) + 3 \times 3))) \\ &:= 4 + ((44 \times (((4 \times 4) + 4^4) + 4)) + ((4 + 4)/4)) \\ &:= 5 \times (5555 - 5^5) \\ &:= 6 \times (((6 \times 6/(6 + 6))^6) + (6 \times 6 \times 6 \times 6)) \\ &:= (77/7 + 7) \times ((7 \times (7 \times (7 + 7))) - (77/7)) \\ &:= 888 + ((8 \times (88 \times (8 + 8))) - ((8 + 8)/8)) \\ &:= 9 \times ((9 \times (9 \times (9 + 9))) - (99 + 9)) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12151 &:= (111^{1+1}) - (1 + ((1 + 1 + 11)^{1+1})) \\
&:= ((22 + 2/2)^{2/2+2}) - (2^{2+2}) \\
&:= 3/3 + (3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) + 3 \times 3))) \\
&:= (4 \times (4^4 + 4)) + (44444/4) \\
&:= 5/5 + (5 \times (5555 - 5^5)) \\
&:= 66 + (((6 + 6 + 6) \times (666 + 6)) - (66/6)) \\
&:= 7 + ((77/7) \times (7777/7 - 7)) \\
&:= 888 + ((8 \times (88 \times (8 + 8))) - 8/8) \\
&:= 9/9 + (9 \times ((9 \times (9 \times (9 + 9))) - (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12152 &:= (111^{1+1}) - ((1 + 1 + 11)^{1+1}) \\
&:= 2 + ((2 + 2 + 2) \times (((2 \times 22) + 2/2)^2)) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - (3 \times (3 + 3))) \\
&:= 4 + ((44 \times (((4 \times 4) + 4^4) + 4)) + 4) \\
&:= ((5 + 5)/5) + (5 \times (5555 - 5^5)) \\
&:= ((6 \times 6 \times 6) + 6/6) \times (((6 - 66)/6) + 66) \\
&:= (7 + 7) \times (((777 + 77) + 7) + 7) \\
&:= 888 + (8 \times (88 \times (8 + 8))) \\
&:= ((9 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9))) - (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12153 &:= 1 + ((111^{1+1}) - ((1 + 1 + 11)^{1+1})) \\
&:= 2 + (((22 + 2/2)^{2/2+2}) - (2^{2+2})) \\
&:= 3 + (3 \times (3 \times ((3 + 3) \times (((3 + 3)^3) + 3 \times 3))) \\
&:= (4 - 4/4) \times (((4 + 4)^4) - (44 + 4/4)) \\
&:= 5 + ((5 \times (5555 - 5^5)) - ((5 + 5)/5)) \\
&:= ((66/6) \times (6666/6 - 6)) - ((6 + 6)/6) \\
&:= 7/7 + ((7 + 7) \times (((777 + 77) + 7) + 7)) \\
&:= 8/8 + ((8 \times (88 \times (8 + 8))) + 888) \\
&:= 9 + ((99/9) \times (((9999 + 9) + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12154 &:= ((1 + 11 + 11)^{1+1+1}) - (1 + 1 + 11) \\
&:= 2 \times (((2/2 + 2)^{2 \times (2+2)}) - 22^2) \\
&:= ((3 - 33)/3) + (((3^3 - (3/3 + 3))^3) - 3) \\
&:= ((44 - 4)/4) + (44 \times (((4 \times 4) + 4^4) + 4)) \\
&:= 5 + ((5 \times (5555 - 5^5)) - 5/5) \\
&:= ((66/6) \times (6666/6 - 6)) - 6/6 \\
&:= ((7 + 7)/7) \times (((7/7 + 77)^{(7+7)/7}) - 7) \\
&:= 888 + ((8 \times (88 \times (8 + 8))) + ((8 + 8)/8)) \\
&:= (((9/9 + 99) + 9) + 9) \times (((999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12155 &:= 11 \times (1111 - ((1 + 1) \times (1 + 1 + 1))) \\
&:= (22/2) + ((22 + 2) \times (22^2 + 22)) \\
&:= ((3^3 - (3/3 + 3))^3) - (3 \times 3 + 3) \\
&:= (44/4) + (44 \times (((4 \times 4) + 4^4) + 4)) \\
&:= 5 + (5 \times (5555 - 5^5)) \\
&:= (66/6) \times (6666/6 - 6) \\
&:= 77/7 \times (((7777 + 7)/7) - 7) \\
&:= (8/8 + 8 + 8) \times ((88/8) + (8 \times 88)) \\
&:= (99/9) \times (((9 + 9)/9)^{9/9+9}) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12156 &:= (1 + 11) \times (((1 + 1)^{11-1}) - 11) \\
&:= (2 + 2 + 2) \times ((2^{22/2}) - 22) \\
&:= ((3^3 - (3/3 + 3))^3) - (33/3) \\
&:= (4 - 4/4) \times (((4 + 4)^4) - 44) \\
&:= 5 + ((5 \times (5555 - 5^5)) + 5/5) \\
&:= 66 + (((6 + 6 + 6) \times (666 + 6)) - 6) \\
&:= 7 + (((777 - 7)/7)^{(7+7)/7}) + (7 \times 7) \\
&:= 8 \times 8 + (((888 - 8)/8)^{(8+8)/8}) - 8 \\
&:= ((99 + 9)/9) \times (((9999 + 9)/9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12157 &:= 1 + ((1 + 11) \times (((1 + 1)^{11-1}) - 11)) \\
&:= 2/2 + ((2 + 2 + 2) \times ((2^{22/2}) - 22)) \\
&:= ((3 - 33)/3) + (((3^3 - (3/3 + 3))^3) \\
&:= 4/4 + ((4 - 4/4) \times (((4 + 4)^4) - 44)) \\
&:= 5 + ((5 \times (5555 - 5^5)) + ((5 + 5)/5)) \\
&:= 66 + (((6 + 6 + 6) \times (666 + 6)) - 6) + 6/6 \\
&:= 7 + ((77/7 + 7) \times ((7 \times (7 \times (7 + 7))) - (77/7))) \\
&:= ((88/8) \times (8888/8)) - (8 \times 8) \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9))) - (99 + 9))) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12158 &:= 1 + (1 + ((1 + 11) \times (((1 + 1)^{11-1}) - 11))) \\
&:= 2 + ((2 + 2 + 2) \times ((2^{22/2}) - 22)) \\
&:= ((3^3 - (3/3 + 3))^3) - (3 \times 3) \\
&:= ((4 + 4)/4) + ((4 - 4/4) \times (((4 + 4)^4) - 44)) \\
&:= 5 + (((5 \times (5555 - 5^5)) - ((5 + 5)/5)) + 5) \\
&:= 6 + (((6 \times 6 \times 6) + 6/6) \times (((6 - 66)/6) + 66)) \\
&:= 7 + (((77/7) \times (7777/7 - 7)) + 7) \\
&:= ((8 + 8) \times ((8 \times (88 + 8)) - 8)) - ((8 + 8)/8) \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9))) - (99 + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12159 &:= 1 + (1 + (1 + ((1 + 11) \times (((1 + 1)^{11-1}) - 11)))) \\
&:= ((22 + 2/2)^{2/2+2}) - (2 \times (2 + 2)) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - 33/3) \\
&:= (4 - 4/4) \times (((4 + 4)^4) - 44) + 4/4 \\
&:= 5 + (((5 \times (5555 - 5^5)) - 5/5) + 5) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) + 6)) - ((666/6) + 6) \\
&:= 7 + ((7 + 7) \times (((777 + 77) + 7) + 7)) \\
&:= ((8 + 8) \times ((8 \times (88 + 8)) - 8)) - 8/8 \\
&:= 9 + (9 \times ((9 \times (9 \times (9 + 9))) - (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12160 &:= (11 - 1) \times ((11 \times 111) - (1 + 1 + 1 + 1 + 1)) \\
&:= 2 \times (((2 \times (2 \times (22 - 2))) - 2)^2) - (2 + 2) \\
&:= ((3^3 - (3/3 + 3))^3) - (3/3 + 3 + 3) \\
&:= (4 + 4) \times ((4 \times 444) - 4^4) \\
&:= 5 + ((5 \times (5555 - 5^5)) + 5) \\
&:= 66 + (((666 - 6)/6)^{(6+6)/6}) - 6 \\
&:= (((7 + 7)/7)^7) \times (((77/7) + 77) + 7) \\
&:= (8 + 8) \times ((8 \times (88 + 8)) - 8) \\
&:= (9/9 - (9 \times 9)) \times ((9/9 - (9 \times (9 + 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12161 &:= ((111 - 1)^{1+1}) + ((1 + (11^{1+1})) / (1 + 1)) \\
&:= ((22 + 2/2)^{2/2+2}) - (2 + 2 + 2) \\
&:= ((3^3 - (3/3 + 3))^3) - (3 + 3) \\
&:= 4/4 + ((4 + 4) \times ((4 \times 444) - 4^4)) \\
&:= (55/5) + (5 \times (5555 - 5^5)) \\
&:= 6 + ((66/6) \times (6666/6 - 6)) \\
&:= ((77/7) \times ((7777 - 7)/7)) - (7 \times 7) \\
&:= 8/8 + ((8 + 8) \times ((8 \times (88 + 8)) - 8)) \\
&:= (99/9) + (9 \times ((9 \times (9 \times (9 + 9))) - (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12162 &:= ((1 + 11 + 11)^{1+1+1}) - (1 + 1 + 1 + 1 + 1) \\
&:= (2 + 2 + 2) \times (((2 \times 22) + 2/2)^2) + 2 \\
&:= 3 \times (((3/3 + 3)^{3+3}) - (3 \times 3 + 33)) \\
&:= ((4 + 4)/4) + ((4 + 4) \times ((4 \times 444) - 4^4)) \\
&:= (((5 \times 5) - ((5 + 5)/5))^{5-(5+5)/5}) - 5 \\
&:= 66 + ((6 + 6 + 6) \times (666 + 6)) \\
&:= 7 + ((77/7) \times (((7777 + 7)/7) - 7)) \\
&:= ((8 + 8)/8) + ((8 + 8) \times ((8 \times (88 + 8)) - 8)) \\
&:= (9 \times (9 + 9)) + (((99 + 9)/9) \times (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12163 &:= ((1 + 11 + 11)^{1+1+1}) - (1 + 1 + 1 + 1) \\
&:= ((22 + 2/2)^{2/2+2}) - (2 + 2) \\
&:= ((3^3 - (3/3 + 3))^3) - (3/3 + 3) \\
&:= (((((44/4) + 4) + 4) + 4)^{4-4/4}) - 4 \\
&:= (5 \times (5^5 - 5)) + (((5 - 5^5)/(5 + 5)) - 5^5) \\
&:= 66 + (((6 + 6 + 6) \times (666 + 6)) + 6/6) \\
&:= 7 + (((((777 - 7)/7)^{(7+7)/7}) + (7 \times 7)) + 7) \\
&:= 8 + ((8/8 + 8 + 8) \times ((88/8) + (8 \times 88))) \\
&:= 9 \times 9 + (((99/9) + 99)^{(9+9)/9}) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12164 &:= ((1 + 11 + 11)^{1+1+1}) - (1 + 1 + 1) \\
&:= 2 \times (((2 \times (2 \times (22 - 2))) - 2)^2) - 2 \\
&:= ((3^3 - (3/3 + 3))^3) - 3 \\
&:= 4 + ((4 + 4) \times ((4 \times 444) - 4^4)) \\
&:= (5 - 5/5) \times (((55 \times 55) + (55/5)) + 5) \\
&:= 66 + (((6 + 6 + 6) \times (666 + 6)) + ((6 + 6)/6)) \\
&:= ((7 + 7)/7) \times ((77 \times (((7 + 7)/7) + 77)) - 7/7) \\
&:= 8 \times 8 + (((888 - 8)/8)^{(8+8)/8}) \\
&:= (9 \times (99 + 9 + 9)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12165 &:= ((1 + 11 + 11)^{1+1+1}) - (1 + 1) \\
&:= ((22 + 2/2)^{2/2+2}) - 2 \\
&:= 3/3 + (((3^3 - (3/3 + 3))^3) - 3) \\
&:= 4 + (((4 + 4) \times ((4 \times 444) - 4^4)) + 4/4) \\
&:= 5 + (((5 \times (5555 - 5^5)) + 5) + 5) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) + 6)) - (666/6) \\
&:= ((77/7) \times (7777/7)) - (7 \times 7 + 7) \\
&:= 8 + (((88/8) \times (8888/8)) - (8 \times 8)) \\
&:= 9 \times 9 + (((99 + 9)/9) \times ((999 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12166 &:= ((1 + 11 + 11)^{1+1+1}) - 1 \\
&:= ((22 + 2/2)^{2/2+2}) - 2/2 \\
&:= ((3^3 - (3/3 + 3))^3) - 3/3 \\
&:= (44/4) \times (((4444 - 4)/4) - 4) \\
&:= (55/5) \times ((5555/5) - 5) \\
&:= 66 + (((666 - 6)/6)^{(6+6)/6}) \\
&:= 77 \times ((7 \times (7 + 7 + 7)) + (77/7)) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) - 8)) - ((8 + 8)/8)) \\
&:= (99/9) \times (((((99 \times 99) - 9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12167 &:= (1 + 11 + 11)^{1+1+1} \\
&:= (22 + 2/2)^{2/2+2} \\
&:= (3^3 - (3/3 + 3))^3 \\
&:= (((((44/4) + 4) + 4) + 4)^{4-4/4}) \\
&:= ((5 \times 5) - ((5 + 5)/5))^{5-(5+5)/5} \\
&:= (((66/6) + 6) + 6)^{6 \times 6 / (6+6)} \\
&:= (((((7 + 7)/7 + 7) + 7) + 7)^{(7+7)/7}) \\
&:= (((8 - 8/8) + 8) + 8)^{88/8-8} \\
&:= (((99 + 99) + 9)/9)^{(9+9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12168 &:= 1 + ((1 + 11 + 11)^{1+1+1}) \\
&:= 2 \times (((2 \times (2 \times (22 - 2))) - 2)^2) \\
&:= 3/3 + ((3^3 - (3/3 + 3))^3) \\
&:= (4 - 4/4) \times (((4 + 4)^4) - 44) + 4 \\
&:= ((55 + 5)/5) \times (((5 - 5/5)^5) - (5 + 5)) \\
&:= (6 + 6) \times ((6 \times (6 \times (6 \times 6 - 6))) - 66) \\
&:= ((7 + 7)/7) \times ((7/7 + 77)^{(7+7)/7}) \\
&:= 8 + ((8 + 8) \times ((8 \times (88 + 8)) - 8)) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) - (99 + 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12169 &:= 1 + (1 + ((1 + 11 + 11)^{1+1+1})) \\
&:= 2 + ((22 + 2/2)^{2/2+2}) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - 3/3) \\
&:= 4/4 + ((4 - 4/4) \times (((4 + 4)^4) - 44) + 4) \\
&:= (5 \times (5^5 - 55)) - ((55 + 5^5) + 5/5) \\
&:= 6/6 + (((6 + 6) \times ((6 \times (6 \times (6 \times 6 - 6))) - 66)) \\
&:= 7 + (((77/7) \times (((7777 + 7)/7) - 7)) + 7) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) - 8)) + 8/8) \\
&:= 9 + ((9/9 - (9 \times 9)) \times ((9/9 - (9 \times (9 + 9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12170 &:= 1 + (1 + (1 + ((1 + 11 + 11)^{1+1+1}))) \\
&:= 2 + (2 \times (((2 \times (2 \times (22 - 2))) - 2)^2)) \\
&:= 3 + ((3^3 - (3/3 + 3))^3) \\
&:= 4 + ((44/4) \times (((4444 - 4)/4) - 4)) \\
&:= (5 \times (5^5 - 55)) - (55 + 5^5) \\
&:= ((6 + 6)/6) + ((6 + 6) \times ((6 \times (6 \times (6 \times 6 - 6))) - 66)) \\
&:= 77 + (((777 - 7)/7)^{(7+7)/7}) - 7 \\
&:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) - 8)) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) - (99 + 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12171 &:= 1 + (1 + (1 + (1 + ((1 + 11 + 11)^{1+1+1})))) \\
&:= 2 + (((22 + 2/2)^{2/2+2}) + 2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + 3/3) \\
&:= 4 + (((((44/4) + 4) + 4) + 4)^{4-4/4}) \\
&:= 5 + (55/5 \times ((5555/5) - 5)) \\
&:= (666/6) + ((6 \times 6 - 6) \times ((6 \times 66) + 6)) \\
&:= ((77/7) \times (7777/7)) - (7/7 + (7 \times 7)) \\
&:= 88/8 + ((8 + 8) \times ((8 \times (88 + 8)) - 8)) \\
&:= 9 \times 9 + (((999/9) \times ((9/9 + 99) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12172 &:= 1 + (1 + (1 + (1 + (1 + ((1 + 11 + 11)^{1+1+1})))))) \\
&:= 2 \times (((2 \times (2 \times (22 - 2))) - 2)^2) + 2 \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - 3/3) + 3 \\
&:= 4 + ((4 - 4/4) \times (((4 + 4)^4) - 44) + 4) \\
&:= 5 + (((5 \times 5) - ((5 + 5)/5))^{5-(5+5)/5}) \\
&:= 6 + (((666 - 6)/6)^{(6+6)/6}) + 66 \\
&:= ((77/7) \times (7777/7)) - (7 \times 7) \\
&:= 8 + (((888 - 8)/8)^{(8+8)/8}) + (8 \times 8) \\
&:= 9 \times 9 + (((99/9) + 99)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12173 &:= ((1 + 1) \times (1 + 1 + 1)) + ((1 + 11 + 11)^{1+1+1}) \\
&:= 2 + (((22 + 2/2)^{2/2+2}) + 2) + 2 \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + 3) \\
&:= ((44 - 4/4) + 4) \times ((4^4 - 4/4) + 4) \\
&:= 5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - (5 + 5))) \\
&:= 6 + (((66/6) + 6) + 6)^{6 \times 6/(6+6)} \\
&:= 7 + (77 \times ((7 \times (7 + 7 + 7)) + (77/7))) \\
&:= 8 + (((88/8) \times (8888/8)) - (8 \times 8)) + 8 \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12174 &:= ((1 + 1 + 1) \times (((1 + 1)^{1+1+1}) - 1)) - 111 \\
&:= 2 + (2 \times (((2 \times (2 \times (22 - 2))) - 2)^2) + 2) \\
&:= (33 \times ((333 + 33) + 3)) - 3 \\
&:= ((4 - 444)/4) + ((4^4 \times (44 + 4)) - 4) \\
&:= (5 \times ((5555 - 5^5) + 5)) - 5/5 \\
&:= 6 + ((6 + 6) \times ((6 \times (6 \times (6 \times 6 - 6))) - 66)) \\
&:= 7 + (((((7 + 7)/7 + 7) + 7) + 7)^{(7+7+7)/7}) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) - 8)) - ((8 + 8)/8)) + 8 \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + ((9 - 9999)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12175 &:= (111^{1+1+1}) - (1 + (1 + ((1 + 11)^{1+1+1}))) \\
&:= (2 \times (2 + 2)) + ((22 + 2/2)^{2/2+2}) \\
&:= 3 \times 3 + (((3^3 - (3/3 + 3))^3) - 3/3) \\
&:= 4 + (((((44/4) + 4) + 4) + 4)^{4-4/4}) + 4 \\
&:= 5 \times ((5555 - 5^5) + 5) \\
&:= 6 + (((6 + 6) \times ((6 \times (6 \times (6 \times 6 - 6))) - 66)) + 6/6) \\
&:= 7 + (((7 + 7)/7) \times ((7/7 + 77)^{(7+7)/7})) \\
&:= 8 + (((8 - 8/8) + 8) + 8)^{88/8-8} \\
&:= 9 + ((99/9) \times (((99 \times 99) - 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12176 &:= (111^{1+1+1}) - (1 + ((1 + 11)^{1+1+1})) \\
&:= 2 \times (((((2 \times (2 \times (22 - 2))) - 2)^2) + 2) + 2) \\
&:= 3 \times 3 + ((3^3 - (3/3 + 3))^3) \\
&:= (44 \times 44) + (4^4 \times (44 - 4)) \\
&:= 5/5 + (5 \times ((5555 - 5^5) + 5)) \\
&:= (6 \times (((6 + 6)/6)^{66/6})) - ((666 + 6)/6) \\
&:= 77 + (((777/7) \times ((77/7) + (7 \times (7 + 7)))) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) - 8)) + 8) \\
&:= (((9 + 9)/9)^9) + (9 \times ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12177 &:= 11 \times (1111 - (1 + 1 + 1 + 1)) \\
&:= (22/2) \times ((2222/2) - (2 + 2)) \\
&:= 33 \times ((333 + 33) + 3) \\
&:= (44/4) \times ((4444/4) - 4) \\
&:= (55/5) \times (((5555 + 5)/5) - 5) \\
&:= (66/6) \times (((6666 + 6) + 6)/6) - 6 \\
&:= 77 + (((777 - 7)/7)^{(7+7)/7}) \\
&:= (8 \times (8 \times 8 \times (8 + 8 + 8))) - (888/8) \\
&:= 99 \times (((999 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12178 &:= 11 + ((1 + 11 + 11)^{1+1+1}) \\
&:= (22/2) + ((22 + 2/2)^{2/2+2}) \\
&:= (33/3) + ((3^3 - (3/3 + 3))^3) \\
&:= ((4 - 444)/4) + (4^4 \times (44 + 4)) \\
&:= 5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - (5 + 5))) + 5 \\
&:= 6 + (((666 - 6)/6)^{(6+6)/6}) + 66 + 6 \\
&:= 7/7 + (((777 - 7)/7)^{(7+7)/7}) + 77 \\
&:= ((8 - 888)/8) + (8 \times (8 \times 8 \times (8 + 8 + 8))) \\
&:= 9/9 + (99 \times (((999 + 99) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12179 &:= 1 + (11 + ((1 + 11 + 11)^{1+1+1})) \\
&:= 2 + ((22/2) \times ((2222/2) - (2 + 2))) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + 3 \times 3) \\
&:= 44 + ((44444/4) + (4 \times 4^4)) \\
&:= 5 + ((5 \times ((5555 - 5^5) + 5)) - 5/5) \\
&:= 6 + (((66/6) + 6) + 6)^{6 \times 6/(6+6)} + 6 \\
&:= 7 + (((77/7) \times (7777/7)) - (7 \times 7)) \\
&:= ((88/8) + 8) \times ((8 \times (88 - 8)) + 8/8) \\
&:= 99 + ((9/9 - (9 \times 9)) \times ((99/9) - (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12180 &:= (11 - 1) \times ((11 \times 111) - (1 + 1 + 1)) \\
&:= (2 \times 22 - 2) \times (((22 + 2)^2)/2) + 2 \\
&:= 3 + (33 \times ((333 + 33) + 3)) \\
&:= (4 \times 4 + 4) \times (((4/4 + 4)^4) - 4 \times 4) \\
&:= 5 + (5 \times ((5555 - 5^5) + 5)) \\
&:= (6 - (6 \times 6 \times 6)) \times (6 - (((6 + 6)/6)^6)) \\
&:= (77 - 7) \times (((7 \times (7 + 7)) - 7/7) + 77) \\
&:= 88 + (((888 - 8)/8)^{(8+8)/8}) - 8 \\
&:= 9 \times 9 + ((999/9) \times ((9/9 + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12181 &:= 1 + ((11 - 1) \times ((11 \times 111) - (1 + 1 + 1))) \\
&:= (2^{2+2}) + (((22 + 2/2)^{2/2+2}) - 2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + (33/3)) \\
&:= 4 + ((44/4) \times ((4444/4) - 4)) \\
&:= 5 + ((5 \times ((5555 - 5^5) + 5)) + 5/5) \\
&:= 6/6 + ((6 - (6 \times 6 \times 6)) \times (6 - (((6 + 6)/6)^6))) \\
&:= 7 + ((((((7 + 7)/7 + 7) + 7) + 7)^{(7+7+7)/7}) + 7) \\
&:= ((88 + 8) \times ((8 \times (8 + 8)) - 8/8)) - (88/8) \\
&:= 9 \times 9 + (((99/9) + 99)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12182 &:= 1 + (1 + ((11 - 1) \times ((11 \times 111) - (1 + 1 + 1)))) \\
&:= 2 + ((2 \times 22 - 2) \times (((22 + 2/2)^2/2) + 2)) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + 3 \times 3) + 3 \\
&:= 4 + (((4 - 444)/4) + (4^4 \times (44 + 4))) \\
&:= 5 + (55/5 \times (((5555 + 5)/5) - 5)) \\
&:= ((6 + 6)/6) + ((6 - (6 \times 6 \times 6)) \times (6 - (((6 + 6)/6)^6))) \\
&:= ((7 + 7)/7) \times (((7/7 + 77)^{(7+7)/7}) + 7) \\
&:= 88 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) - ((8 + 8)/8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12183 &:= (11 \times 1111) - (1 + (111/(1 + 1 + 1))) \\
&:= (2^{2+2}) + ((22 + 2/2)^{2/2+2}) \\
&:= (3 \times (3333 + (3^{3+3}))) - 3 \\
&:= 4 \times 4 + (((((44/4) + 4) + 4) + 4)^{4-4/4}) \\
&:= (5 \times 5^5) + (((5 - 5^5)/(5 + 5)) - (5^5 + 5)) \\
&:= 6 + ((66/6) \times (((6666 + 6) + 6)/6) - 6) \\
&:= ((77/7) \times ((7777 + 7)/7)) - (7 \times 7) \\
&:= 8 + (((((8 - 8/8) + 8) + 8)^{88/8-8}) + 8) \\
&:= 99 + (((99 + 9)/9) \times ((999 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12184 &:= (11 \times 1111) - (111/(1 + 1 + 1)) \\
&:= (22 \times ((22 + 2)^2 - 22)) - (2 + 2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + (33/3)) + 3 \\
&:= 4 + ((4 \times 4 + 4) \times (((4/4 + 4)^4) - 4 \times 4)) \\
&:= (5 - 5/5) \times ((5/5 - (5 \times 5 + 55)) + 5^5) \\
&:= (6 \times (6 - 66)) + (((666 + 6)/6)^{(6+6)/6}) \\
&:= 7 + (((777 - 7)/7)^{(7+7)/7}) + 77 \\
&:= 88 + ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8)) \\
&:= (9 \times (9 \times (9 \times 9))) + (((99/9) \times ((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12185 &:= (11 \times 1111) - ((1 + 1 + 1) \times (1 + 11)) \\
&:= 2 + (((22 + 2/2)^{2/2+2}) + (2^{2+2})) \\
&:= (3 \times (3 + 3)) + ((3^3 - (3/3 + 3))^3) \\
&:= 4 + (((44/4) \times ((4444/4) - 4)) + 4) \\
&:= 5 + ((5 \times ((5555 - 5^5) + 5)) + 5) \\
&:= ((66/6) \times (6666/6)) - (6 \times 6) \\
&:= (7777/7) + ((7 + 7) \times ((777 + 7) + 7)) \\
&:= (8 \times (8 \times 88)) + (((88/8) - 8)^8) - 8 \\
&:= 9 + ((9 \times ((9 + 9) \times ((9 \times 9) - 9))) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12186 &:= (11 \times (1111 - (1 + 1 + 1))) - (1 + 1) \\
&:= (22 \times ((22 + 2)^2 - 22)) - 2 \\
&:= 3 \times (3333 + (3^{3+3})) \\
&:= 4 + (((4 - 444)/4) + (4^4 \times (44 + 4))) + 4 \\
&:= (55/5) + (5 \times ((5555 - 5^5) + 5)) \\
&:= (6 + 6 + 6) \times (666 + (66/6)) \\
&:= 7 + (((77/7) \times (7777/7)) - (7 \times 7)) + 7 \\
&:= 8 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) + ((8 - 888)/8)) \\
&:= 9999 + (9 \times (9 \times (9 + 9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12187 &:= (11 \times (1111 - (1 + 1 + 1))) - 1 \\
&:= 22 + (((22 + 2/2)^{2/2+2}) - 2) \\
&:= 3/3 + (3 \times (3333 + (3^{3+3}))) \\
&:= 44 + ((44 \times (((4 \times 4) + 4^4) + 4)) - 4/4) \\
&:= (5 \times 5^5) - (((5^5 + 5)/(5 + 5)) + 5^5) \\
&:= 6/6 + ((6 + 6 + 6) \times (666 + (66/6))) \\
&:= ((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7)) - (7 + 7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times (88 - 8)) + 8/8)) \\
&:= 9/9 + ((9 \times (9 \times (9 + 9 + 9))) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12188 &:= 11 \times (1111 - (1 + 1 + 1)) \\
&:= 22 \times ((22 + 2)^2 - 22) \\
&:= (33/3) \times ((3333/3) - 3) \\
&:= 44 + (44 \times (((4 \times 4) + 4^4) + 4)) \\
&:= (5 \times 5^5) + (((5 - 5^5)/(5 + 5)) - 5^5) \\
&:= (66/6) \times ((6666 - (6 + 6 + 6))/6) \\
&:= 77/7 \times ((7777 - (7 + 7 + 7))/7) \\
&:= 88 + (((888 - 8)/8)^{(8+8)/8}) \\
&:= (99/9) \times (((99 \times 99) + 9)/9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12189 &:= 1 + (11 \times (1111 - (1 + 1 + 1))) \\
&:= 22 + ((22 + 2/2)^{2/2+2}) \\
&:= 3 \times (((3/3 + 3)^{3+3}) - 33) \\
&:= 44 + ((44 \times (((4 \times 4) + 4^4) + 4)) + 4/4) \\
&:= (5 \times (5^5 - (55 + 5))) - ((55/5) + 5^5) \\
&:= ((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) - (6 + 6)) \\
&:= (77 \times (7 + 7)) + (7777/7) \\
&:= (8 \times (8 \times 8 \times (8 + 8 + 8))) - ((88/8) + 88) \\
&:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12190 &:= (11 - 1) \times ((11 \times 111) - (1 + 1)) \\
&:= 2 + (22 \times ((22 + 2)^2 - 22)) \\
&:= 3/3 + (3 \times (((3/3 + 3)^{3+3}) - 33)) \\
&:= (4/4 + 4) \times (((44 \times 444)/(4 + 4)) - 4) \\
&:= (555 - 5 \times 5) \times ((5 \times 5) - ((5 + 5)/5)) \\
&:= ((66 - 6)/6) \times (((6 \times 6) - 6/6)^{(6+6)/6}) - 6 \\
&:= ((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7)) - (77/7) \\
&:= ((88 + 8) \times ((8 \times (8 + 8)) - 8/8)) - ((8 + 8)/8) \\
&:= 9 + (((99/9) + 99)^{(9+9)/9}) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12191 &:= 1 + ((11 - 1) \times ((11 \times 111) - (1 + 1))) \\
&:= 2 + (((22 + 2/2)^{2/2+2}) + 22) \\
&:= 3^3 + (((3^3 - (3/3 + 3))^3) - 3) \\
&:= ((4 + 4 + 4) \times ((4 \times 4^4) - (4 + 4))) - 4/4 \\
&:= 5 \times 5 + (55/5 \times ((5555/5) - 5)) \\
&:= 6 + (((66/6) \times (6666/6)) - (6 \times 6)) \\
&:= 7 + (((((777 - 7)/7)^{(7+7)/7}) + 77) + 7) \\
&:= ((88 + 8) \times ((8 \times (8 + 8)) - 8/8)) - 8/8 \\
&:= 9 \times 9 + ((99999/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12192 &:= 1 + (1 + ((11 - 1) \times ((11 \times 111) - (1 + 1)))) \\
&:= 2 \times ((22 + 2) \times ((2^{2 \times (2+2)} - 2)) \\
&:= 3 + (3 \times (((3/3 + 3)^{3+3}) - 33)) \\
&:= (4 + 4 + 4) \times ((4 \times 4^4) - (4 + 4)) \\
&:= 5 + ((5 \times 5^5) - (((5^5 + 5)/(5 + 5)) + 5^5)) \\
&:= 6 + ((6 + 6 + 6) \times (666 + (66/6))) \\
&:= ((77/7) \times ((7777 - (7 + 7))/7)) - 7 \\
&:= (88 + 8) \times ((8 \times (8 + 8)) - 8/8) \\
&:= ((99 + 9)/9) \times (((999 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12193 &:= 1 + (1 + (1 + ((11 - 1) \times ((11 \times 111) - (1 + 1)))))) \\
&:= ((222/2)^2) - (2 \times (2^{2+2+2})) \\
&:= 3^3 + (((3^3 - (3/3 + 3))^3) - 3/3) \\
&:= 4/4 + ((4 + 4 + 4) \times ((4 \times 4^4) - (4 + 4))) \\
&:= 5 + (((5 - 5^5)/(5 + 5)) - 5^5) + (5 \times 5^5) \\
&:= ((6 + 6 + 6) \times ((666 + 6) + 6)) - (66/6) \\
&:= 7 \times 7 + ((77/7) \times (7777/7 - 7)) \\
&:= (8 \times (8 \times 88)) + (((88/8) - 8)^8) \\
&:= (9 \times (9 \times (9 \times 9))) + ((99/9) \times (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12194 &:= (11 \times 1111) - ((1 + 1 + 1)^{1+1+1}) \\
&:= 2 + (2 \times ((22 + 2) \times ((2^{2 \times (2+2)} - 2))) \\
&:= 3^3 + ((3^3 - (3/3 + 3))^3) \\
&:= ((4 + 4)/4) + ((4 + 4 + 4) \times ((4 \times 4^4) - (4 + 4))) \\
&:= ((5 \times 5) + 5/5) \times (((5 - 5/5)^5) - 555) \\
&:= (66 + 6/6) \times ((6 \times (6 \times 6 - 6)) + ((6 + 6)/6)) \\
&:= ((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7)) - 7 \\
&:= 8/8 + (((88/8) - 8)^8) + (8 \times (8 \times 88)) \\
&:= ((99/9) \times 9999/9) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12195 &:= (11 \times 1111) - ((1 + 1) \times (1 + 1 + 11)) \\
&:= 2 + (((222/2)^2) - (2 \times (2^{2+2+2}))) \\
&:= 3 \times ((3333 + (3^3+3)) + 3) \\
&:= (44 + 4/4) \times (((44/4) + 4^4) + 4) \\
&:= (5 \times (5^5 - (55 + 5))) - (5^5 + 5) \\
&:= 6 + (((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) - (6 + 6))) \\
&:= 7/7 + (((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7)) - 7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times (88 - 8)) + 8/8)) + 8 \\
&:= 9 + ((9 \times (9 \times (9 + 9 + 9))) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12196 &:= (11 \times (1111 - (1 + 1))) - (1 + 1 + 1) \\
&:= 2 \times (((22 + 2) \times ((2^{2 \times (2+2)} - 2)) + 2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - 3/3) + 3^3 \\
&:= 4 + ((4 + 4 + 4) \times ((4 \times 4^4) - (4 + 4))) \\
&:= ((555/5)^{(5+5)/5}) - (5 \times 5 \times 5) \\
&:= ((66/6) \times ((6666 + 6)/6)) - (6 \times 6) \\
&:= 7 + ((77777/7) + (77 \times (7 + 7))) \\
&:= 8 + (((888 - 8)/8)^{(8+8)/8}) + 88 \\
&:= 9 + (((9 \times (9 \times (9 + 9 + 9))) + 9999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12197 &:= (11 \times (1111 - (1 + 1))) - (1 + 1) \\
&:= ((22/2) \times ((2222/2) - 2)) - 2 \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + 3^3) \\
&:= 4 + (((4 + 4 + 4) \times ((4 \times 4^4) - (4 + 4))) + 4/4) \\
&:= 5 + (((5 \times 5^5) - (((5^5 + 5)/(5 + 5)) + 5^5)) + 5) \\
&:= ((6 + 6 + 6) \times ((666 + 6) + 6)) - (6/6 + 6) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7)) - (77/7)) \\
&:= 8 \times 8 + ((88/8) \times ((8888/8) - 8)) \\
&:= (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) - (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12198 &:= (11 \times (1111 - (1 + 1))) - 1 \\
&:= ((222/2)^2) - (((22/2)^2) + 2) \\
&:= 3 \times (((3/3 + 3)^{3+3}) - 33) + 3) \\
&:= (44 \times (4^4 - 4)) + ((4444 - 4)/4) \\
&:= (5 \times (5^5 - (55 + 5))) - (((5 + 5)/5) + 5^5) \\
&:= ((6 + 6 + 6) \times ((666 + 6) + 6)) - 6 \\
&:= (7 \times (7 + 7)) + (((777 - 7)/7)^{(7+7)/7}) \\
&:= ((88/8) + 8) \times ((8 \times (88 - 8)) + ((8 + 8)/8)) \\
&:= 99 + ((999/9) \times ((9/9 + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12199 &:= 11 \times (1111 - (1 + 1)) \\
&:= (22/2) \times ((2222/2) - 2) \\
&:= 33 + (((3^3 - (3/3 + 3))^3) - 3/3) \\
&:= (44/4) \times ((4444 - (4 + 4))/4) \\
&:= (55/5) \times ((5555 - (5 + 5))/5) \\
&:= (66/6) \times ((6666 - (6 + 6))/6) \\
&:= 77/7 \times ((7777 - (7 + 7))/7) \\
&:= (88/8) \times ((8888 - (8 + 8))/8) \\
&:= 99 + (((99/9) + 99)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12200 &:= 1 + (11 \times (1111 - (1 + 1))) \\
&:= ((222/2)^2) - ((22/2)^2) \\
&:= 33 + ((3^3 - (3/3 + 3))^3) \\
&:= (4^4 \times (44 + 4)) - (44 + 44) \\
&:= (5 \times 5 - 5) \times (555 + 55) \\
&:= (6 - 6/6) \times ((6 \times (6 \times 66)) + (((6 + 6)/6)^6)) \\
&:= ((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7)) - 7/7 \\
&:= (8 \times (8 \times 8 \times (8 + 8 + 8))) - 88 \\
&:= (9/9 + 99) \times ((999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12201 &:= 1 + (1 + (11 \times (1111 - (1 + 1)))) \\
&:= 2 + ((22/2) \times ((2222/2) - 2)) \\
&:= ((33 + 3) \times (333 + 3 + 3)) - 3 \\
&:= 4/4 + ((4^4 \times (44 + 4)) - (44 + 44)) \\
&:= 5/5 + ((5 \times 5 - 5) \times (555 + 55)) \\
&:= (666/6) + (((6 + 6 + 6) \times (666 + 6)) - 6) \\
&:= (7 + 7 + 7) \times ((7 \times (77 + 7)) - 7) \\
&:= 8 + (((88/8) - 8)^8) + (8 \times (8 \times 88)) \\
&:= ((99/9) \times ((9999 - 9)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12202 &:= 1 + (1 + (1 + (11 \times (1111 - (1 + 1)))))) \\
&:= 2 + (((222/2)^2) - ((22/2)^2)) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) - 3/3) + 33 \\
&:= ((44/4) \times ((4444 - 4)/4)) - (4 + 4) \\
&:= ((5 + 5)/5) + ((5 \times 5 - 5) \times (555 + 55)) \\
&:= ((6 + 6 + 6) \times ((666 + 6) + 6)) - ((6 + 6)/6) \\
&:= 7/7 + ((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7)) \\
&:= ((88/8) \times ((8888 - 8)/8)) - 8 \\
&:= 9 + (((99/9) \times (((9 + 9)/9)^9)) + (9 \times (9 \times (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12203 &:= 1 + (1 + (1 + (1 + (11 \times (1111 - (1 + 1)))))) \\
&:= 2 + (((22/2) \times ((2222/2) - 2)) + 2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + 33) \\
&:= (4^4 \times (44 + 4)) - (((4 - 4/4)^4) + 4) \\
&:= (((55 + 5)/5) \times (((5 - 5/5)^5) - 5)) - (5 \times 5) \\
&:= ((6 + 6 + 6) \times ((666 + 6) + 6)) - 6/6 \\
&:= ((77/7) \times ((7777 - 7)/7)) - 7 \\
&:= 88/8 + ((88 + 8) \times ((8 \times (8 + 8)) - 8/8)) \\
&:= ((99/9) \times 9999/9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12204 &:= (1 + (1 + 111)) \times (111 - (1 + 1 + 1)) \\
&:= ((2^{2+2}) + 2) \times (((22 + 2 + 2)^2) + 2) \\
&:= (33 + 3) \times (333 + 3 + 3) \\
&:= 4 + ((4^4 \times (44 + 4)) - (44 + 44)) \\
&:= 5 + (55/5 \times ((5555 - (5 + 5))/5)) \\
&:= (6 + 6 + 6) \times ((666 + 6) + 6) \\
&:= (7 - 7/7) \times (((7 + 7)/7)^{7/7}) - (7 + 7) \\
&:= ((88 + 8)/8) \times (((8 \times (8 \times (8 + 8))) - 8) + 8/8) \\
&:= (99 + 9) \times (((999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12205 &:= 1 + ((1 + (1 + 111)) \times (111 - (1 + 1 + 1))) \\
&:= (2/2 + 2 + 2) \times (((22 \times 222) - 2)/2) \\
&:= 3/3 + ((33 + 3) \times (333 + 3 + 3)) \\
&:= ((44/4) \times (4444/4)) - (4 \times 4) \\
&:= 5 + ((5 \times 5 - 5) \times (555 + 55)) \\
&:= 6/6 + ((6 + 6 + 6) \times ((666 + 6) + 6)) \\
&:= 7 + (((777 - 7)/7)^{(7+7)/7}) + (7 \times (7 + 7)) \\
&:= ((88/8) \times (8888/8)) - (8 + 8) \\
&:= 9/9 + ((99 + 9) \times (((999 + 9) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12206 &:= (11 \times (1111 - 1)) - (1 + 1 + 1 + 1) \\
&:= 2 + (((2^{2+2}) + 2) \times (((22 + 2 + 2)^2) + 2)) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + 33) + 3) \\
&:= ((44/4) \times ((4444 - 4)/4)) - 4 \\
&:= 5 + (((5 \times 5 - 5) \times (555 + 55)) + 5/5) \\
&:= ((6 + 6)/6) + ((6 + 6 + 6) \times ((666 + 6) + 6)) \\
&:= 7 + ((77/7) \times ((7777 - (7 + 7))/7)) \\
&:= 8 + (((88/8) + 8) \times ((8 \times (88 - 8)) + ((8 + 8)/8))) \\
&:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12207 &:= (11 \times (1111 - 1)) - (1 + 1 + 1) \\
&:= (2 \times (22 - 2)) + ((22 + 2/2)^{2/2+2}) \\
&:= 3 \times (((3/3 + 3)^{3+3}) - 3^3) \\
&:= (4^4 \times (44 + 4)) - ((4 - 4/4)^4) \\
&:= ((5^5 + 5)/(5 + 5)) \times (55 - (55/5 + 5)) \\
&:= (666/6) + ((6 + 6 + 6) \times (666 + 6)) \\
&:= ((77/7) \times (7777/7)) - (7 + 7) \\
&:= 8 + ((88/8) \times ((8888 - (8 + 8))/8)) \\
&:= 9 + (((999/9) \times ((9/9 + 99) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12208 &:= (1 + 111) \times (111 - (1 + 1)) \\
&:= (222/2 - 2) \times ((222 + 2)/2) \\
&:= 3/3 + (3 \times (((3/3 + 3)^{3+3}) - 3^3)) \\
&:= 4 \times (((4 + 4)^4) - ((4 \times (4^4 + 4)) + 4)) \\
&:= ((5 + 5)/5) \times ((55 \times 555/5) - 5/5) \\
&:= (6 \times (6 \times (6 \times 66))) - (((6 + 6)/6)^{66/6}) \\
&:= 7 + ((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7)) \\
&:= 8 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) - 88) \\
&:= ((9/9 + 99) + 9) \times ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12209 &:= (11 \times (1111 - 1)) - 1 \\
&:= ((222/2)^2) - ((222 + 2)/2) \\
&:= 3 \times 3 + (((3^3 - (3/3 + 3))^3) + 33) \\
&:= 4 + (((44/4) \times (4444/4)) - 4 \times 4) \\
&:= (555 \times ((55 + 55)/5)) - 5/5 \\
&:= ((66/6) \times (6666/6)) - (6 + 6) \\
&:= 7 + (((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7)) + 7/7) \\
&:= 8 + (((88/8) - 8)^8) + (8 \times (8 \times 88)) + 8) \\
&:= 9 + ((9/9 + 99) \times ((999 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12210 &:= 11 \times (1111 - 1) \\
&:= 22 \times ((2222 - 2)/(2 + 2)) \\
&:= 3 + (3 \times (((3/3 + 3)^{3+3}) - 3^3)) \\
&:= (44/4) \times ((4444 - 4)/4) \\
&:= 555 \times ((55 + 55)/5) \\
&:= 6 + ((6 + 6 + 6) \times ((666 + 6) + 6)) \\
&:= 77/7 \times ((7777 - 7)/7) \\
&:= (88/8) \times ((8888 - 8)/8) \\
&:= (99/9) \times ((9999 - 9)/9)
\end{aligned}$$

$$\blacktriangleright 12211 := 1 + (11 \times (1111 - 1))$$

$$:= (2 \times 22) + ((22 + 2/2)^{2/2+2})$$

$$:= 3 + ((3 \times ((3/3 + 3)^{3+3}) - 3^3) + 3/3)$$

$$:= 4 + ((4^4 \times (44 + 4)) - ((4 - 4/4)^4))$$

$$:= 5/5 + (555 \times ((55 + 55)/5))$$

$$:= 6 + (((6 + 6 + 6) \times ((666 + 6) + 6)) + 6/6)$$

$$:= 7/7 + ((77/7) \times ((7777 - 7)/7))$$

$$:= 8/8 + ((88/8) \times ((8888 - 8)/8))$$

$$:= 9/9 + ((99/9) \times ((9999 - 9)/9))$$

$$\blacktriangleright 12216 := (11 \times 1111) - (1 + 1 + 1 + 1 + 1)$$

$$:= 2 \times (((((2 \times (2 \times (22 - 2))) - 2)^2) + 22) + 2)$$

$$:= 3 \times (((((3/3 + 3)^{3+3}) - 3^3) + 3)$$

$$:= ((4^4 + 4) \times ((44 - 4/4) + 4)) - 4$$

$$:= (55/5 \times (5555/5)) - 5$$

$$:= 6 \times (((6 + 6)/6)^{66/6}) - (6 + 6)$$

$$:= ((777/7)^{(7+7)/7}) - (7 \times (7 + 7) + 7)$$

$$:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)) - 8$$

$$:= ((99 + 9)/9) \times (((999 + 9/9) + 9) + 9)$$

$$\blacktriangleright 12212 := 1 + (1 + (11 \times (1111 - 1)))$$

$$:= 2 + (22 \times ((2222 - 2)/(2 + 2)))$$

$$:= ((33/3) \times (3333/3)) - (3 \times 3)$$

$$:= 4 + (4 \times (((4 + 4)^4) - ((4 \times (4^4 + 4)) + 4)))$$

$$:= ((5 + 5)/5) + (555 \times ((55 + 55)/5))$$

$$:= (66 \times ((6 \times (6 \times 6 - 6)) + 6)) - (((6 + 6)/6)^6)$$

$$:= (77/7) + ((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7))$$

$$:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)) - ((88 + 8)/8)$$

$$:= ((99/9) \times 9999/9) - 9$$

$$\blacktriangleright 12217 := (11 \times 1111) - (1 + 1 + 1 + 1)$$

$$:= ((22/2) \times (2222/2)) - (2 + 2)$$

$$:= 3/3 + (3 \times (((3/3 + 3)^{3+3}) - 3^3) + 3))$$

$$:= ((44/4) \times (4444/4)) - 4$$

$$:= 5/5 + ((55/5 \times (5555/5)) - 5)$$

$$:= 6/6 + (6 \times (((6 + 6)/6)^{66/6}) - (6 + 6))$$

$$:= 7 + ((77/7) \times ((7777 - 7)/7))$$

$$:= 8/8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)) - 8)$$

$$:= 9 + (((9/9 + 99) + 9) \times ((999 + 9)/9))$$

$$\blacktriangleright 12213 := 1 + (1 + (1 + (11 \times (1111 - 1))))$$

$$:= (22 + 2/2) \times (((22 + 2/2)^2) + 2)$$

$$:= 3 \times ((3 \times (((33/3)^3) + 3^3)) - 3)$$

$$:= (((4^4 + 4)/4) + 4) \times ((4 \times 44) + 4/4)$$

$$:= (5 \times (5^5 + 5)) + (((5 - 5^5)/(5 + 5)) - 5^5)$$

$$:= ((666/6)^{(6+6)/6}) - (6 \times (6 + 6 + 6))$$

$$:= (77 - (7/7 + 7)) \times (((7 + 7)/7)^7) + (7 \times 7)$$

$$:= ((88/8) \times (8888/8)) - 8$$

$$:= (9 \times ((9 \times (9 \times (9 + 9))) - 99)) - (9 + 9)$$

$$\blacktriangleright 12218 := (11 \times 1111) - (1 + 1 + 1)$$

$$:= ((22/2) \times (2222/2)) - (2/2 + 2)$$

$$:= ((33/3) \times (3333/3)) - 3$$

$$:= 4 + (((44/4) \times ((4444 - 4)/4)) + 4)$$

$$:= (5 \times (5^5 - 55)) - (((5 + 5)/5) + 5^5) + 5$$

$$:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) + 6)) - (((6 + 6)/6)^6))$$

$$:= ((77/7) \times ((7777 + 7)/7)) - (7 + 7)$$

$$:= 8 + ((88/8) \times (8888 - 8)/8)$$

$$:= 9 + (((9/9 + 99) \times ((999 + 99)/9)) + 9)$$

$$\blacktriangleright 12214 := 1 + (1 + (1 + (1 + (11 \times (1111 - 1))))))$$

$$:= 2 + ((22 \times ((2222 - 2)/(2 + 2))) + 2)$$

$$:= 3/3 + (3 \times ((3 \times (((33/3)^3) + 3^3)) - 3))$$

$$:= 4 + ((44/4) \times ((4444 - 4)/4))$$

$$:= (5 \times (5^5 - 55)) - ((55/5) + 5^5)$$

$$:= ((6 \times 6 - 6) + 6/6) \times ((6 \times 66) - ((6 + 6)/6))$$

$$:= ((77/7) \times (7777/7)) - 7$$

$$:= 8/8 + (((88/8) \times (8888/8)) - 8)$$

$$:= 9/9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 99)) - (9 + 9))$$

$$\blacktriangleright 12219 := (11 \times 1111) - (1 + 1)$$

$$:= ((22/2) \times (2222/2)) - 2$$

$$:= (3 \times (3 \times (((33/3)^3) + 3^3))) - 3$$

$$:= (4^4 \times (44 + 4)) - (((4^4 + 4)/4) + 4)$$

$$:= (5 \times (5^5 - 55)) - ((5^5 + 5/5) + 5)$$

$$:= ((666/6)^{(6+6)/6}) - (6 \times 6 + 66)$$

$$:= (((7 + 7)/7)^{7+7}) - (7 \times ((7 \times (77 + 7)) + 7))$$

$$:= ((88/8) \times (8888/8)) - ((8 + 8)/8)$$

$$:= 9 + ((99/9) \times ((9999 - 9)/9))$$

$$\blacktriangleright 12215 := (11 \times 1111) - ((1 + 1) \times (1 + 1 + 1))$$

$$:= 2 + ((22 + 2/2) \times (((22 + 2/2)^2) + 2))$$

$$:= ((33/3) \times (3333/3)) - (3 + 3)$$

$$:= 4 + (((4^4 \times (44 + 4)) - ((4 - 4/4)^4)) + 4)$$

$$:= 5 + (555 \times ((55 + 55)/5))$$

$$:= ((66/6) \times (6666/6)) - 6$$

$$:= 7 + (((7 + 7 + 7) \times ((7 \times (77 + 7)) - 7)) + 7)$$

$$:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)) - (8/8 + 8)$$

$$:= 9 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) - (99/9)))$$

$$\blacktriangleright 12220 := (11 \times 1111) - 1$$

$$:= ((22/2) \times (2222/2)) - 2/2$$

$$:= ((33/3) \times (3333/3)) - 3/3$$

$$:= (4^4 + 4) \times ((44 - 4/4) + 4)$$

$$:= (5 \times (5^5 - 55)) - (5^5 + 5)$$

$$:= ((66/6) \times (6666/6)) - 6/6$$

$$:= ((77/7) \times (7777/7)) - 7/7$$

$$:= ((88/8) \times (8888/8)) - 8/8$$

$$:= (99/9 + 9) \times (((9 + 9)/9)^9) + 99$$

$$\blacktriangleright 12221 := 11 \times 1111$$

$$:= (22/2) \times (2222/2)$$

$$:= (33/3) \times (3333/3)$$

$$:= (44/4) \times (4444/4)$$

$$:= (55/5) \times (5555/5)$$

$$:= (66/6) \times (6666/6)$$

$$:= 77/7 \times (7777/7)$$

$$:= (88/8) \times (8888/8)$$

$$:= (99/9) \times 9999/9$$

$$\blacktriangleright 12226 := 1 + (1 + (1 + (1 + (1 + (11 \times 1111))))))$$

$$:= (22 \times ((22 + 2)^2)) - (2 \times 222 + 2)$$

$$:= 3 + ((3 \times (3 \times (((33/3)^3) + 3^3))) + 3/3)$$

$$:= (((4 - 4^4) + 4)/4) + (4^4 \times (44 + 4))$$

$$:= 5 + (55/5 \times (5555/5))$$

$$:= ((66/6) \times ((6666 + 6)/6)) - 6$$

$$:= 7 + (((7 + 7)/7)^{7+7}) - (7 \times ((7 \times (77 + 7)) + 7))$$

$$:= ((8 + 8)/8) + (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8))$$

$$:= 9 + (((9/9 + 99) + 9) \times ((999 + 9)/9)) + 9$$

$$\blacktriangleright 12222 := 1 + (11 \times 1111)$$

$$:= 2/2 + ((22/2) \times (2222/2))$$

$$:= 3 \times (3 \times (((33/3)^3) + 3^3))$$

$$:= 4/4 + ((44/4) \times (4444/4))$$

$$:= 5/5 + (55/5 \times (5555/5))$$

$$:= (6 \times (((6 + 6)/6)^{66/6})) - 66$$

$$:= (77 + 7 \times 7) \times ((7 \times (7 + 7)) - 7/7)$$

$$:= 8/8 + ((88/8) \times (8888/8))$$

$$:= (9 \times ((9 \times (9 \times (9 + 9))) - 99)) - 9$$

$$\blacktriangleright 12227 := ((1 + 1) \times (1 + 1 + 1)) + (11 \times 1111)$$

$$:= 2 + (((22/2) \times (2222/2)) + 2) + 2$$

$$:= 3 + (((33/3) \times (3333/3)) + 3)$$

$$:= 4 + ((4^4 \times (44 + 4)) - ((4^4 + 4)/4))$$

$$:= ((5 + 5)/5) + ((5 \times (5^5 - 55)) - 5^5)$$

$$:= 6 + ((66/6) \times (6666/6))$$

$$:= 7 + (((77/7) \times (7777/7)) - 7/7)$$

$$:= 88/8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)) - 8)$$

$$:= ((9 - (9 \times 9))/(9 + 9)) + (9 \times ((9 \times (9 \times (9 + 9))) - 99))$$

$$\blacktriangleright 12223 := 1 + (1 + (11 \times 1111))$$

$$:= 2 + ((22/2) \times (2222/2))$$

$$:= 3/3 + (3 \times (3 \times (((33/3)^3) + 3^3)))$$

$$:= (4^4 \times (44 + 4)) - ((4^4 + 4)/4)$$

$$:= (5 \times (5^5 - 55)) - (((5 + 5)/5) + 5^5)$$

$$:= 6/6 + ((6 \times (((6 + 6)/6)^{66/6})) - 66)$$

$$:= ((777/7)^{(7+7)/7}) - (7 \times (7 + 7))$$

$$:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)) - 8/8$$

$$:= 9/9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 99)) - 9)$$

$$\blacktriangleright 12228 := (11 \times (1 + 1111)) - (1 + 1 + 1 + 1)$$

$$:= 2 \times ((22 \times ((2^{2 \times (2+2)} + 22)) - 2)$$

$$:= 3 + ((3 \times (3 \times (((33/3)^3) + 3^3))) + 3)$$

$$:= 4 + ((44 \times ((4 \times 4) + 4^4)) + 4^4)$$

$$:= ((55 + 5)/5) \times (((5 - 5/5)^5) - 5)$$

$$:= 6 + ((6 \times (((6 + 6)/6)^{66/6})) - 66)$$

$$:= 7 + ((77/7) \times (7777/7))$$

$$:= 8 + (((88/8) \times (8888/8)) - 8/8)$$

$$:= 9 + (((99/9) \times (9999 - 9)/9)) + 9$$

$$\blacktriangleright 12224 := 1 + (1 + (1 + (11 \times 1111)))$$

$$:= 2 + (((22/2) \times (2222/2)) + 2/2)$$

$$:= 3 + ((33/3) \times (3333/3))$$

$$:= 4 \times (4 \times ((4 \times 4^4) - (4^4 + 4)))$$

$$:= (5 \times (5^5 - 55)) - (5^5 + 5/5)$$

$$:= (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) + (66/6))$$

$$:= 7 + (((77/7) \times ((7777 - 7)/7)) + 7)$$

$$:= 8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)$$

$$:= ((9 + 9)/9) + ((9 \times ((9 \times (9 \times (9 + 9))) - 99)) - 9)$$

$$\blacktriangleright 12229 := (11 \times (1 + 1111)) - (1 + 1 + 1)$$

$$:= ((222/2)^2) - (2 \times (2 \times 22 + 2))$$

$$:= ((33/3) \times ((3333 + 3)/3)) - 3$$

$$:= 4 + (((44/4) \times (4444/4)) + 4)$$

$$:= 5 + ((5 \times (5^5 - 55)) - (5^5 + 5/5))$$

$$:= ((6 - 66) \times ((6 - (6 \times 6 \times 6)) + 6)) - (66/6)$$

$$:= 7 + ((77 + 7 \times 7) \times ((7 \times (7 + 7)) - 7/7))$$

$$:= 8 + ((88/8) \times (8888/8))$$

$$:= (9 \times ((9 \times (9 \times (9 + 9))) - 99)) - ((9 + 9)/9)$$

$$\blacktriangleright 12225 := 1 + (1 + (1 + (1 + (11 \times 1111))))$$

$$:= 2 + (((22/2) \times (2222/2)) + 2)$$

$$:= 3 + (3 \times (3 \times (((33/3)^3) + 3^3)))$$

$$:= 4 + ((44/4) \times (4444/4))$$

$$:= (5 \times (5^5 - 55)) - 5^5$$

$$:= 6 + (((666/6)^{(6+6)/6}) - (6 \times 6 + 66))$$

$$:= ((77/7) \times ((7777 + 7)/7)) - 7$$

$$:= 8/8 + (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8))$$

$$:= 9 + (((99 + 9)/9) \times (((999 + 9)/9) + 9) + 9)$$

$$\blacktriangleright 12230 := (11 \times (1 + 1111)) - (1 + 1)$$

$$:= (2 \times (22 \times ((2^{2 \times (2+2)} + 22))) - 2$$

$$:= 3 \times 3 + ((33/3) \times (3333/3))$$

$$:= 4 + (((4 - 4^4) + 4)/4) + (4^4 \times (44 + 4))$$

$$:= 5 + ((5 \times (5^5 - 55)) - 5^5)$$

$$:= 6 + (((6 + 6)/6)^6) \times ((6 \times (6 \times 6 - 6)) + (66/6))$$

$$:= 7 + (((777/7)^{(7+7)/7}) - (7 \times (7 + 7)))$$

$$:= 8 + (((88/8) \times (8888/8)) + 8/8)$$

$$:= 9 + ((99/9) \times 9999/9)$$

- **12231** := $(11 \times (1 + 1111)) - 1$
:= $((222/2)^2) - (2 \times 2 \times 22 + 2)$
:= $3 \times ((3 \times ((33/3)^3) + 3^3)) + 3$
:= $4 + (((4^4 \times (44 + 4)) - ((4^4 + 4)/4)) + 4)$
:= $5 + ((55/5 \times (5555/5)) + 5)$
:= $(6 \times (6 \times (6 \times (66 - 6)))) - ((6 \times 6/(6 + 6))^6)$
:= $((77/7) \times ((7777 + 7)/7)) - 7/7$
:= $8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)) - 8/8)$
:= $9 \times ((9 \times (9 \times (9 + 9))) - 99)$
- **12232** := $11 \times (1 + 1111)$
:= $2 \times (22 \times ((2^{2 \times (2+2)} + 22))$
:= $(33/3) \times ((3333 + 3)/3)$
:= $44 \times ((44/((4 + 4)/4)) + 4^4)$
:= $(55/5) \times ((5555 + 5)/5)$
:= $(66/6) \times ((6666 + 6)/6)$
:= $77/7 \times ((7777 + 7)/7)$
:= $8 + (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8))$
:= $9/9 + (9 \times ((9 \times (9 \times (9 + 9))) - 99))$
- **12233** := $1 + (11 \times (1 + 1111))$
:= $((222/2)^2) - (2 \times 2 \times 22)$
:= $33 + (((3^3 - (3/3 + 3))^3) + 33)$
:= $(4^4 \times (44 + 4)) - ((44/4) + 44)$
:= $5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - 5))$
:= $6 + (((66/6) \times (6666/6)) + 6)$
:= $7/7 + ((77/7) \times ((7777 + 7)/7))$
:= $((888/8)^{(8+8)/8}) - 88$
:= $((9 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9))) - 99))$
- **12234** := $1 + (1 + (11 \times (1 + 1111)))$
:= $2 + (2 \times (22 \times ((2^{2 \times (2+2)} + 22)))$
:= $3 \times (((3/3 + 3)^{3+3}) - (3 \times (3 + 3)))$
:= $((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 444)$
:= $5 + (((5 \times (5^5 - 55)) - (5^5 + 5/5)) + 5)$
:= $((6 - 66) \times ((6 - (6 \times 6 \times 6)) + 6)) - 6$
:= $7 + (((77/7) \times (7777/7)) - 7/7) + 7$
:= $8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)) + ((8 + 8)/8))$
:= $((9 + 9 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9))) - 99))$
- **12235** := $1 + (1 + (1 + (11 \times (1 + 1111))))$
:= $2 + (((222/2)^2) - (2 \times 2 \times 22))$
:= $3 + ((33/3) \times ((3333 + 3)/3))$
:= $((44 - 4^4)/4) + (4^4 \times (44 + 4))$
:= $5 + (((5 \times (5^5 - 55)) - 5^5) + 5)$
:= $6/6 + (((6 - 66) \times ((6 - (6 \times 6 \times 6)) + 6)) - 6)$
:= $7 + (((77/7) \times (7777/7)) + 7)$
:= $88/8 + (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8))$
:= $999 + (((99 - ((9 + 9)/9)) + 9)^{(9+9)/9})$
- **12236** := $1 + (1 + (1 + (1 + (11 \times (1 + 1111))))))$
:= $2 \times ((22 \times ((2^{2 \times (2+2)} + 22)) + 2)$
:= $3 + (((3^3 - (3/3 + 3))^3) + 33) + 33$
:= $((4 + 4 + 4) \times ((4 \times 4^4) - 4)) - 4$
:= $(55/5) + ((5 \times (5^5 - 55)) - 5^5)$
:= $((6 + 6)/6) + (((6 - 66) \times ((6 - (6 \times 6 \times 6)) + 6)) - 6)$
:= $(77 - 7/7) \times ((77 + 77) + 7)$
:= $((88 + 8)/8) + (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8))$
:= $((9 \times 9 + 9)/(9 + 9)) + (9 \times ((9 \times (9 \times (9 + 9))) - 99))$
- **12237** := $1 + (1 + (1 + (1 + (1 + (11 \times (1 + 1111))))))$
:= $(2 \times (2 - (2 \times 22))) + ((222/2)^2)$
:= $3 + (3 \times (((3/3 + 3)^{3+3}) - (3 \times (3 + 3))))$
:= $4 \times 4 + ((44/4) \times (4444/4))$
:= $5 + (55/5 \times ((5555 + 5)/5))$
:= $((66/6) \times (((6666 + 6) + 6)/6)) - 6$
:= $((777/7)^{(7+7)/7}) - (77 + 7)$
:= $8 + (((88/8) \times (8888/8)) + 8)$
:= $9 + (((99/9) \times ((9999 - 9)/9)) + 9) + 9$
- **12238** := $((1 + 1) \times (1 + 1 + 1)) + (11 \times (1 + 1111))$
:= $((22 + 2) \times ((2^{(2/2+2)^2}) - 2)) - 2$
:= $3 + (((33/3) \times ((3333 + 3)/3)) + 3)$
:= $((4 + 4 + 4) \times ((4 \times 4^4) - 4)) - ((4 + 4)/4)$
:= $5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - 5)) + 5$
:= $6 + ((66/6) \times ((6666 + 6)/6))$
:= $7 + (((77/7) \times ((7777 + 7)/7)) - 7/7)$
:= $8 + (((88/8) \times (8888/8)) + 8/8) + 8$
:= $9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 99)) - ((9 + 9)/9))$
- **12239** := $(111^{1+1}) - (1 + ((11 - 1 - 1)^{1+1}))$
:= $2 + ((2 \times (2 - (2 \times 22))) + ((222/2)^2))$
:= $(3 \times (3^3 - 3)) + ((3^3 - (3/3 + 3))^3)$
:= $((4 + 4 + 4) \times ((4 \times 4^4) - 4)) - 4/4$
:= $(5 \times ((5^5 - 55) + 5)) - ((55/5) + 5^5)$
:= $((6 - 66) \times ((6 - (6 \times 6 \times 6)) + 6)) - 6/6$
:= $7 + ((77/7) \times ((7777 + 7)/7))$
:= $8 + (((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)) - 8/8) + 8)$
:= $9 + (((99/9) \times 9999/9) + 9)$
- **12240** := $(11 - 1) \times (1 + (1 + (1 + (11 \times 111))))$
:= $(22 + 2) \times ((2^{(2/2+2)^2}) - 2)$
:= $(33 + 3) \times (((3/3 + 3 + 3)^3) - 3)$
:= $(4 + 4 + 4) \times ((4 \times 4^4) - 4)$
:= $(5 - 5/5) \times (5^5 - (55 + 5 + 5))$
:= $(6 - 66) \times ((6 - (6 \times 6 \times 6)) + 6)$
:= $(77/7 + 7) \times (((7 \times (7 \times (7 + 7))) - 7) + 7/7)$
:= $8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8)) + 8)$
:= $9 + (9 \times ((9 \times (9 \times (9 + 9))) - 99))$

$$\begin{aligned}
\blacktriangleright 12241 &:= (11 \times (1 + 1 + 1111)) - (1 + 1) \\
&:= (2 \times (2 \times (2 - 22))) + ((222/2)^2) \\
&:= 3 \times 3 + ((33/3) \times ((3333 + 3)/3)) \\
&:= 4/4 + ((4 + 4 + 4) \times ((4 \times 4^4) - 4)) \\
&:= 5 + (((5 \times (5^5 - 55)) - 5^5) + (55/5)) \\
&:= 6/6 + ((6 - 66) \times ((6 - (6 \times 6 \times 6)) + 6)) \\
&:= ((7 + 7) \times (777 + (7 \times (7 + 7)))) - ((7 + 7)/7 + 7) \\
&:= 8 + (((888/8)^{(8+8)/8}) - 88) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 99)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12242 &:= (11 \times (1 + 1 + 1111)) - 1 \\
&:= 2 + ((22 + 2) \times ((2^{(2/2+2)^2}) - 2)) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + (3 \times (3^3 - 3))) \\
&:= ((4 + 4)/4) + ((4 + 4 + 4) \times ((4 \times 4^4) - 4)) \\
&:= 5 + ((55/5 \times ((5555 + 5)/5)) + 5) \\
&:= ((6 + 6)/6) + ((6 - 66) \times ((6 - (6 \times 6 \times 6)) + 6)) \\
&:= 7 + (((77/7) \times (7777/7)) + 7) + 7) \\
&:= 8 + (((8 \times (8 \times 8 \times (8 + 8 + 8)) - 8)) + ((8 + 8)/8)) + 8) \\
&:= (99/9) + (9 \times ((9 \times (9 \times (9 + 9))) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12243 &:= 11 \times (1 + 1 + 1111) \\
&:= (22/2) \times (2222/2 + 2) \\
&:= 3 + ((33 + 3) \times (((3/3 + 3 + 3)^3) - 3)) \\
&:= (4^4 \times (44 + 4)) - (44 + 4/4) \\
&:= (55/5) \times (((5555 + 5) + 5)/5) \\
&:= (66/6) \times (((6666 + 6) + 6)/6) \\
&:= 77 \times (((777 - 7)/7) + (7 \times 7)) \\
&:= (88/8) \times (((8888 + 8) + 8)/8) \\
&:= (99/9) \times (((9999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12244 &:= 1 + (11 \times (1 + 1 + 1111)) \\
&:= 2 \times (((2/2 + 2) \times (2^{22/2})) - 22) \\
&:= (3 \times ((3/3 + 3)^{3+3})) - ((33/3) + 33) \\
&:= (4^4 \times (44 + 4)) - 44 \\
&:= (5 - 5/5) \times ((5/5 - (55 + 5 + 5)) + 5^5) \\
&:= 6 + (((66/6) \times ((6666 + 6)/6)) + 6) \\
&:= ((777/7)^{(7+7)/7}) - 77 \\
&:= (8 \times (8 \times 8 \times (8 + 8 + 8))) - (88/((8 + 8)/8)) \\
&:= 9/9 + ((99/9) \times (((9999 + 9) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12245 &:= 1 + (1 + (11 \times (1 + 1 + 1111))) \\
&:= 2 + ((22/2) \times (2222/2 + 2)) \\
&:= (3 \times 3^3) + (((3^3 - (3/3 + 3))^3) - 3) \\
&:= 4/4 + ((4^4 \times (44 + 4)) - 44) \\
&:= ((5 - 5/5) \times (5^5 + 5)) - (5 \times 55) \\
&:= ((6 \times 6 - 6) + 6/6) \times ((6 \times 66) - 6/6) \\
&:= 7/7 + (((777/7)^{(7+7)/7}) - 77) \\
&:= 8 + (((88/8) \times (8888/8)) + 8) + 8) \\
&:= ((9 \times 9) - ((9 + 9)/9)) \times (((9 + 9)/9) - 9) + (9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12246 &:= 1 + (1 + (1 + (11 \times (1 + 1 + 1111)))) \\
&:= 2 + (2 \times (((2/2 + 2) \times (2^{22/2})) - 22)) \\
&:= (3 \times (((3/3 + 3)^{3+3}) - 3)) - 33 \\
&:= ((4 + 4)/4) + ((4^4 \times (44 + 4)) - 44) \\
&:= 5 \times 5 + (55/5 \times (5555/5)) \\
&:= 6 + ((6 - 66) \times ((6 - (6 \times 6 \times 6)) + 6)) \\
&:= (7 - 7/7) \times (((7 + 7)/7)^{77/7}) - 7) \\
&:= 88 + (((8 + 8) \times ((8 \times (88 + 8)) - 8)) - ((8 + 8)/8)) \\
&:= 9 + (((99/9) \times ((9999 - 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12247 &:= 1 + (1 + (1 + (1 + (11 \times (1 + 1 + 1111))))) \\
&:= 2 + (((22/2) \times (2222/2 + 2)) + 2) \\
&:= 3/3 + ((3 \times (((3/3 + 3)^{3+3}) - 3)) - 33) \\
&:= 4 + ((4^4 \times (44 + 4)) - (44 + 4/4)) \\
&:= 5 + (((55/5 \times ((5555 + 5)/5)) + 5) + 5) \\
&:= 6 + (((6 - 66) \times ((6 - (6 \times 6 \times 6)) + 6)) + 6/6) \\
&:= 7 + ((77/7 + 7) \times (((7 \times (7 \times (7 + 7))) - 7) + 7/7)) \\
&:= 88 + (((8 + 8) \times ((8 \times (88 + 8)) - 8)) - 8/8) \\
&:= 9 + (((9 \times (9 \times (9 + 9))) - 99)) - ((9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12248 &:= (11 \times 1111) + ((1 + 1 + 1)^{1+1+1}) \\
&:= (22^{2/2+2}) + ((2 \times (22 - 2))^2) \\
&:= (3 \times 3^3) + ((3^3 - (3/3 + 3))^3) \\
&:= 4 + ((4^4 \times (44 + 4)) - 44) \\
&:= 5 + (55/5 \times (((5555 + 5) + 5)/5)) \\
&:= 6 + (((6 - 66) \times ((6 - (6 \times 6 \times 6)) + 6)) + ((6 + 6)/6)) \\
&:= ((7 + 7) \times (777 + (7 \times (7 + 7)))) - ((7 + 7)/7) \\
&:= 88 + ((8 + 8) \times ((8 \times (88 + 8)) - 8)) \\
&:= 9 + (((99/9) \times 9999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12249 &:= (1 + 1 + 1) \times (((1 + 1)^{11+1}) - (1 + 1 + 1)) \\
&:= ((222/2)^2) - (2 \times ((2 + 2 + 2)^2)) \\
&:= 3 \times (3 \times (((33/3)^3) + 3^3) + 3) \\
&:= 4 + (((4^4 \times (44 + 4)) - 44) + 4/4) \\
&:= (5 \times ((5^5 - 55) + 5)) - (5^5 + 5/5) \\
&:= ((666/6)^{(6+6)/6}) - (66 + 6) \\
&:= ((7 + 7) \times (777 + (7 \times (7 + 7)))) - 7/7 \\
&:= ((888/8)^{(8+8)/8}) - ((8 \times 8) + 8) \\
&:= 9 + ((9 \times (9 \times (9 + 9))) - 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12250 &:= (11 - 1) \times (1 + (1 + (1 + (1 + (11 \times 111))))) \\
&:= 2 + ((22^{2/2+2}) + ((2 \times (22 - 2))^2)) \\
&:= ((3 \times 33) - 3/3) \times (((3 - 3/3) + 3)^3) \\
&:= 4 + (((4^4 \times (44 + 4)) - 44) + ((4 + 4)/4)) \\
&:= 5 \times ((5 + 5) \times ((5 \times 5 \times (5 + 5)) - 5)) \\
&:= ((66 - 6)/6) \times (((6 \times 6) - 6/6)^{(6+6)/6}) \\
&:= (7 + 7) \times (777 + (7 \times (7 + 7))) \\
&:= 8/8 + (((888/8)^{(8+8)/8}) - ((8 \times 8) + 8)) \\
&:= 9 + (((9 \times (9 \times (9 + 9))) - 99) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12251 &:= (11 \times 1111) + ((11 - 1) \times (1 + 1 + 1)) \\
&:= 2 + (((222/2)^2) - (2 \times ((2 + 2 + 2)^2))) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + (3 \times 3^3)) \\
&:= (44/4) + ((4 + 4 + 4) \times ((4 \times 4^4) - 4)) \\
&:= 5/5 + (5 \times ((5 + 5) \times ((5 \times 5 \times (5 + 5)) - 5))) \\
&:= (6 \times (((6 + 6)/6)^{66/6}) - 6) - 6/6 \\
&:= 7 + (((777/7)^{(7+7)/7}) - 77) \\
&:= 8 + ((88/8) \times (((8888 + 8) + 8)/8)) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 99)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12252 &:= (1 + 1 + 1) \times (((1 + 1)^{11+1}) - (1 + 11)) \\
&:= (2 + 2 + 2) \times ((2^{22/2}) - (2 + 2 + 2)) \\
&:= 3 \times (((3/3 + 3)^{3+3}) - (3 \times 3 + 3)) \\
&:= 4 + (((4^4 \times (44 + 4)) - 44) + 4) \\
&:= ((5 + 5)/5) + (5 \times ((5 + 5) \times ((5 \times 5 \times (5 + 5)) - 5))) \\
&:= 6 \times (((6 + 6)/6)^{66/6}) - 6 \\
&:= ((7 + 7)/7) + ((7 + 7) \times (777 + (7 \times (7 + 7)))) \\
&:= 8 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) - (88/((8 + 8)/8))) \\
&:= 9 + ((99/9) \times (((9999 + 9) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12253 &:= (11 \times (1 + (1 + 1 + 1111))) - 1 \\
&:= (222/2)^2 + (2 \times (2 - ((2 + 2 + 2)^2))) \\
&:= 3 + (((3 \times 33) - 3/3) \times (((3 - 3/3) + 3)^3)) \\
&:= 4 + (((4^4 \times (44 + 4)) - 44) + 4/4 + 4) \\
&:= 5 \times 5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - 5)) \\
&:= 6/6 + (6 \times (((6 + 6)/6)^{66/6}) - 6) \\
&:= 7 + ((7 - 7/7) \times (((7 + 7)/7)^{77/7}) - 7) \\
&:= ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8/8)) - (88/8) \\
&:= (9 \times (9 + 9)) + (((99/9) + 99)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12254 &:= 11 \times (1 + (1 + 1 + 1111)) \\
&:= 22 \times (((2222 - 2)/(2 + 2)) + 2) \\
&:= (33/3) \times ((3333/3) + 3) \\
&:= (44/4) \times (((4444 - 4)/4) + 4) \\
&:= 5 + ((5 \times ((5^5 - 55) + 5)) - (5^5 + 5/5)) \\
&:= ((6 + 6)/6) + (6 \times (((6 + 6)/6)^{66/6}) - 6) \\
&:= 77/7 \times (((7777 + 7) + 7) + 7)/7 \\
&:= (88/8) \times (((8888 + 8) + 8) + 8)/8 \\
&:= (99/9) \times (((9999 + 9) + 9) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12255 &:= 1 + (11 \times (1 + (1 + 1 + 1111))) \\
&:= ((222/2)^2) - ((2^{2+2+2}) + 2) \\
&:= (3 \times ((3/3 + 3)^{3+3})) - 33 \\
&:= (4 - 4/4) \times (((4 + 4)^4) - 44/4) \\
&:= 5 + (5 \times ((5 + 5) \times ((5 \times 5 \times (5 + 5)) - 5))) \\
&:= ((666/6)^{(6+6)/6}) - 66 \\
&:= (7 - ((7 + 7)/7)) \times ((7 \times (7 \times 7 \times 7) + 7)/7) \\
&:= ((88 - 8/8) + 8) \times (8 \times (8 + 8) + 8/8) \\
&:= ((9/9 + 9) + 9) \times ((9 \times ((9 \times 9) - 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12256 &:= 1 + (1 + (11 \times (1 + (1 + 1 + 1111)))) \\
&:= 2 + (22 \times (((2222 - 2)/(2 + 2)) + 2)) \\
&:= 3/3 + ((3 \times ((3/3 + 3)^{3+3})) - 33) \\
&:= 4 \times ((4^4 \times (4 + 4 + 4)) - (4 + 4)) \\
&:= (5 - 5/5) \times (5^5 - ((55 + 5/5) + 5)) \\
&:= 6/6 + (((666/6)^{(6+6)/6}) - 66) \\
&:= 7 + (((7 + 7) \times (777 + (7 \times (7 + 7)))) - 7/7) \\
&:= (8 + 8) \times ((8 \times (88 + 8)) - ((8 + 8)/8)) \\
&:= (9 - 9/9) \times (((9 \times ((9 \times (9 + 9)) + 9)) - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12257 &:= 1 + (1 + (1 + (11 \times (1 + (1 + 1 + 1111)))))) \\
&:= ((222/2)^2) - (2^{2+2+2}) \\
&:= 3 + ((33/3) \times ((3333/3) + 3)) \\
&:= 4/4 + (4 \times ((4^4 \times (4 + 4 + 4)) - (4 + 4))) \\
&:= (5 \times 5^5) - (((5 - (5 + 5)/5)^5) + 5^5) \\
&:= 6 \times 6 + ((66/6) \times (6666/6)) \\
&:= 7 + ((7 + 7) \times (777 + (7 \times (7 + 7)))) \\
&:= ((888/8)^{(8+8)/8}) - (8 \times 8) \\
&:= ((9 - 9/9) + 9) \times (((9 \times (9 \times 9)) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12258 &:= (1 + 1 + 1) \times (1 + (((1 + 1)^{11+1}) - 11)) \\
&:= 2/2 + (((222/2)^2) - (2^{2+2+2})) \\
&:= 3 + ((3 \times ((3/3 + 3)^{3+3})) - 33) \\
&:= (4 - 4/4) \times (((4 - 44)/4) + ((4 + 4)^4)) \\
&:= (5/5 + 5) \times (((5 + 5)/5)^{55/5}) - 5 \\
&:= 6 + (6 \times (((6 + 6)/6)^{66/6}) - 6) \\
&:= 7 + (((777/7)^{(7+7)/7}) - 77) + 7 \\
&:= 8/8 + (((888/8)^{(8+8)/8}) - (8 \times 8)) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 99)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12259 &:= 1 + ((1 + 1 + 1) \times (1 + (((1 + 1)^{11+1}) - 11))) \\
&:= 2 + (((222/2)^2) - (2^{2+2+2})) \\
&:= 3 + (((3 \times ((3/3 + 3)^{3+3})) - 33) + 3/3) \\
&:= 4 + ((4 - 4/4) \times (((4 + 4)^4) - 44/4)) \\
&:= ((5 - 5/5) \times (5^5 - (55 + 5))) - 5/5 \\
&:= 6 + ((6 \times (((6 + 6)/6)^{66/6}) - 6) + 6/6) \\
&:= 7 \times 7 + ((77/7) \times ((7777 - 7)/7)) \\
&:= 8 + (((88/8) \times ((8888 + 8) + 8)/8) + 8) \\
&:= 9 + (((9 \times ((9 \times (9 \times (9 + 9))) - 99)) + 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12260 &:= (1 + 1) \times (((1 + 1 + 1) \times (((1 + 1)^{11}) - 1)) - 11) \\
&:= 2 \times (((2/2 + 2) \times ((2^{22/2}) - (2 + 2))) - 2) \\
&:= (3 \times ((3/3 + 3)^{3+3})) - (3^3 + 3/3) \\
&:= 4 + (4 \times ((4^4 \times (4 + 4 + 4)) - (4 + 4))) \\
&:= (5 - 5/5) \times (5^5 - (55 + 5)) \\
&:= 6 + ((6 \times (((6 + 6)/6)^{66/6}) - 6) + ((6 + 6)/6)) \\
&:= 7 + (((7 - 7/7) \times (((7 + 7)/7)^{77/7}) - 7) + 7) \\
&:= ((8 - (8 \times 8))/(8 + 8)/8) + (8 \times (8 \times 8 \times (8 + 8 + 8))) \\
&:= 9 + (((9 \times ((9 \times (9 \times (9 + 9))) - 99)) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12261 &:= (1 + 1 + 1) \times (1 + (1 + (((1 + 1)^{11+1}) - 11))) \\
 &:= 2 + (((222/2)^2) - (2^{2+2+2})) + 2) \\
 &:= 3 \times (((3/3 + 3)^{3+3}) - 3 \times 3) \\
 &:= 4^4 + ((4/4 + 4) \times (((4 - 4/4) + 4)^4)) \\
 &:= 5/5 + ((5 - 5/5) \times (5^5 - (55 + 5))) \\
 &:= 6 + (((666/6)^{(6+6)/6}) - 66) \\
 &:= (77/7) + ((7 + 7) \times (777 + (7 \times (7 + 7)))) \\
 &:= ((88/8) - 8) \times ((8 \times (8 \times 8 \times 8)) - (8/8 + 8)) \\
 &:= 9 + (((99/9) \times ((9999 + 9) + 9)/9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12262 &:= ((1 + 11) \times (((1 + 1)^{11-1}) - (1 + 1))) - (1 + 1) \\
 &:= ((2 + 2 + 2) \times ((2^{22/2}) - (2 + 2))) - 2 \\
 &:= 3/3 + (3 \times (((3/3 + 3)^{3+3}) - 3 \times 3)) \\
 &:= 4 + ((4 - 4/4) \times (((4 - 44)/4) + ((4 + 4)^4))) \\
 &:= 5 + ((5 \times 5^5) - (((5 - (5 + 5)/5)^5) + 5^5)) \\
 &:= 6 + (((666/6)^{(6+6)/6}) - 66) + 6/6 \\
 &:= 7 + ((7 - ((7 + 7)/7)) \times ((7 \times (7 \times 7 \times 7 + 7)) + 7/7)) \\
 &:= ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8/8)) - ((8 + 8)/8) \\
 &:= (9 \times (9 + 9)) + (((99/9) + 99)^{(9+9)/9})
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12263 &:= ((1 + 11) \times (((1 + 1)^{11-1}) - (1 + 1))) - 1 \\
 &:= (2 \times ((22 + 2)^2)) + (22222/2) \\
 &:= (3 \times 33) + (((3^3 - (3/3 + 3))^3) - 3) \\
 &:= ((4 - 4/4) \times (((4 + 4)^4) - (4 + 4))) - 4/4 \\
 &:= (((55 + 5)/5) \times ((5 - 5/5)^5)) - (5 \times 5) \\
 &:= 6 + (((66/6) \times (6666/6)) + (6 \times 6)) \\
 &:= 7 \times 7 + (((77/7) \times (7777/7)) - 7) \\
 &:= ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8/8)) - 8/8 \\
 &:= 9 + ((99/9) \times (((9999 + 9) + 9) + 9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12264 &:= (1 + 11) \times (((1 + 1)^{11-1}) - (1 + 1)) \\
 &:= (2 + 2 + 2) \times ((2^{22/2}) - (2 + 2)) \\
 &:= 3 + (3 \times (((3/3 + 3)^{3+3}) - 3 \times 3)) \\
 &:= (4 - 4/4) \times (((4 + 4)^4) - (4 + 4)) \\
 &:= (5 - 5/5) \times ((5^5 - (55 + 5)) + 5/5) \\
 &:= (66 \times ((6 \times (6 \times 6 - 6)) + 6)) - (6 + 6) \\
 &:= (77 + 7) \times ((7 \times (7 + 7 + 7)) - 7/7) \\
 &:= (8 + 8 + 8) \times ((8 \times 8 \times 8) - 8/8) \\
 &:= (((99 + 9)/9) + 9) \times (((((9 + 9)/9)^9) - 9) + (9 \times 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12265 &:= 11 \times (1 + (1 + (1 + 1 + 1111))) \\
 &:= (22/2) \times ((2222/2 + 2) + 2) \\
 &:= (33/3) \times (((3333 + 3)/3) + 3) \\
 &:= (44/4) \times (4444/4 + 4) \\
 &:= 5 + ((5 - 5/5) \times (5^5 - (55 + 5))) \\
 &:= (66 \times ((6 \times (6 \times 6 - 6)) + 6)) - (66/6) \\
 &:= ((777/7)^{(7+7)/7}) - (7 \times 7 + 7) \\
 &:= 8 + (((888/8)^{(8+8)/8}) - (8 \times 8)) \\
 &:= (99/9) \times ((((((99 \times 99) - 9)/9) + 9) + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12266 &:= 1 + (11 \times (1 + (1 + (1 + 1 + 1111)))) \\
 &:= ((2 + 2 + 2) \times (2^{22/2})) - 22 \\
 &:= (3 \times 33) + ((3^3 - (3/3 + 3))^3) \\
 &:= (4^4 \times (44 + 4)) - (44/((4 + 4)/4)) \\
 &:= ((555/5)^{(5+5)/5}) - 55 \\
 &:= ((6 - 66)/6) + (66 \times ((6 \times (6 \times 6 - 6)) + 6)) \\
 &:= 7 + (((77/7) \times ((7777 - 7)/7)) + (7 \times 7)) \\
 &:= ((8 + 8)/8) + ((8 + 8 + 8) \times ((8 \times 8 \times 8) - 8/8)) \\
 &:= 9 + (((9 - 9/9) + 9) \times (((9 \times (9 \times 9)) - 9) + 9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12267 &:= 1 + (1 + (11 \times (1 + (1 + (1 + 1 + 1111))))) \\
 &:= 2 + ((22/2) \times ((2222/2 + 2) + 2)) \\
 &:= 3 \times ((3 \times (((33/3)^3) + 33)) - 3) \\
 &:= (4 - 4/4) \times (((4 + 4)^4) - 44/4 + 4) \\
 &:= 5/5 + (((555/5)^{(5+5)/5}) - 55) \\
 &:= 6 + (((666/6)^{(6+6)/6}) - 66) + 6 \\
 &:= ((7 + 7 + 7)/7) \times (((7/7 + 7)^{77/7-7}) - 7) \\
 &:= ((88/8) - 8) \times (((8 \times (8 \times 8 \times 8)) - 8) + 8/8) \\
 &:= 9999 + (9 \times ((9 \times (9 + 9 + 9)) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12268 &:= (1 + 1) \times (1 + (((1 + 1 + 1) \times ((1 + 1)^{11}) - 11)) \\
 &:= 2 + (((2 + 2 + 2) \times (2^{22/2})) - 22) \\
 &:= (3 \times (((3/3 + 3)^{3+3}) - 3)) - (33/3) \\
 &:= (4^4 \times (44 + 4)) - (4 \times 4 + 4) \\
 &:= 5 + (((55 + 5)/5) \times ((5 - 5/5)^5)) - (5 \times 5) \\
 &:= 6 \times 6 + ((66/6) \times ((6666 + 6)/6)) \\
 &:= (((7 + 7)/7)^{7+7}) - (7 \times (7 \times (77 + 7))) \\
 &:= (8 \times (8 \times 8 \times (8 + 8 + 8))) - (((88 + 8)/8) + 8) \\
 &:= 9/9 + ((9 \times ((9 \times (9 + 9 + 9)) + 9)) + 9999)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12269 &:= ((1 + 1 + 11)^{1+1}) + ((111 - 1)^{1+1}) \\
 &:= ((222/2)^2) - (2 \times (22 + 2 + 2)) \\
 &:= 3 + (((3^3 - (3/3 + 3))^3) + (3 \times 33)) \\
 &:= 4 + ((44/4) \times (4444/4 + 4)) \\
 &:= ((5 - 5/5) \times (5^5 - 55)) - (55/5) \\
 &:= (66 \times ((6 \times (6 \times 6 - 6)) + 6)) - (6/6 + 6) \\
 &:= (77 \times ((77 + 77) + 7)) - (((7 + 7)/7)^7) \\
 &:= (8 \times (8 \times 8 \times (8 + 8 + 8))) - ((88/8) + 8) \\
 &:= 9 + (((9 \times ((9 \times (9 \times (9 + 9))) - 99)) + (99/9)) + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12270 &:= (1 + 1) \times ((1 + 1 + 1) \times (((1 + 1)^{11}) - (1 + 1 + 1))) \\
 &:= (2/2 + 2) \times ((2 \times ((2^{22/2}) - 2)) - 2) \\
 &:= 3 \times (((3/3 + 3)^{3+3}) - (3 + 3)) \\
 &:= (4 - 4/4) \times (((4 + 4)^4) - (((4 + 4)/4) + 4)) \\
 &:= (55 \times (5 \times 55 + 5)) - (5^5 + 5) \\
 &:= (66 \times ((6 \times (6 \times 6 - 6)) + 6)) - 6 \\
 &:= 7 \times 7 + ((77/7) \times (7777/7)) \\
 &:= ((8 + 8)/8) \times ((8 \times (8 \times (88 + 8))) - (8/8 + 8)) \\
 &:= ((9 + 9)/9) \times ((((((99 + 9)/9) \times ((9 + 9)/9)^9) - 9)
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12271 &:= (111^{1+1}) - (((11-1)^{1+1})/(1+1)) \\
&:= ((222/2)^2) - ((2 \times (22+2)) + 2) \\
&:= 3/3 + (3 \times (((3/3+3)^{3+3}) - (3+3))) \\
&:= (4^4 \times (44+4)) - ((4 \times 4) + 4/4) \\
&:= 5 + (((555/5)^{(5+5)/5}) - 55) \\
&:= 6/6 + ((66 \times ((6 \times (6 \times 6 - 6)) + 6)) - 6) \\
&:= (7 \times ((7+7) \times (77+7 \times 7))) - 77 \\
&:= (8 \times (8 \times 8 \times (8+8+8))) - (8/8+8+8) \\
&:= 9 + (((99/9) + 99)^{(9+9)/9}) + (9 \times (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12272 &:= (1+1) \times (((1+1+1) \times (1+((1+1)^{11}))) - 11) \\
&:= 2 \times (((2/2+2) \times ((2^{22/2}) - 2)) - 2) \\
&:= 3 + (((3^3 - (3/3+3))^3) + (3 \times 33)) + 3 \\
&:= 4 \times ((4^4 \times (4+4+4)) - 4) \\
&:= (5-5/5) \times (5^5 - (((5+5)/5) + 55)) \\
&:= ((6+6)/6) + ((66 \times ((6 \times (6 \times 6 - 6)) + 6)) - 6) \\
&:= ((777/7)^{(7+7)/7}) - (7 \times 7) \\
&:= (8+8) \times ((8 \times (88+8)) - 8/8) \\
&:= 999 + ((99999/9) + (9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12273 &:= (1+1+1) \times (((1+1) \times (((1+1)^{11}) - (1+1))) - 1) \\
&:= ((222/2)^2) - (2 \times (22+2)) \\
&:= 3 + (3 \times (((3/3+3)^{3+3}) - (3+3))) \\
&:= 4/4 + (4 \times ((4^4 \times (4+4+4)) - 4)) \\
&:= (5 - (5+5)/5) \times (((5-5/5)^{5/5+5}) - 5) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) + 6)) - (6 \times 6/(6+6)) \\
&:= 7/7 + (((777/7)^{(7+7)/7}) - (7 \times 7)) \\
&:= 8/8 + ((8+8) \times ((8 \times (88+8)) - 8/8)) \\
&:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12274 &:= ((1+11) \times (((1+1)^{11-1}) - 1)) - (1+1) \\
&:= ((2+2+2) \times ((2^{22/2}) - 2)) - 2 \\
&:= (3 \times ((3/3+3)^{3+3}) - (33/3+3)) \\
&:= ((4+4)/4) + (4 \times ((4^4 \times (4+4+4)) - 4)) \\
&:= (55 \times (5 \times 55+5)) - (5^5 + 5/5) \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) + 6)) - ((6+6)/6) \\
&:= ((7-7/7) \times (((7+7)/7)^{7/7})) - (7+7) \\
&:= 8 \times 8 + ((88/8) \times ((8888-8)/8)) \\
&:= ((9-9/9) + 9) \times (((9+9)/9) - 9) + (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12275 &:= ((1+11) \times (((1+1)^{11-1}) - 1)) - 1 \\
&:= ((222/2)^2) - (2 \times 22+2) \\
&:= (3 \times (33+3)) + ((3^3 - (3/3+3))^3) \\
&:= ((4-4/4) \times (((4+4)^4) - 4)) - 4/4 \\
&:= (55 \times (5 \times 55+5)) - 5^5 \\
&:= (66 \times ((6 \times (6 \times 6 - 6)) + 6)) - 6/6 \\
&:= 7 + (((7+7)/7)^{7+7}) - (7 \times (7 \times (77+7))) \\
&:= 88/8 + ((8+8+8) \times ((8 \times 8 \times 8) - 8/8)) \\
&:= 9 + (((9-9/9) + 9) \times ((9 \times (9 \times 9)) - 9) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12276 &:= (1+11) \times (((1+1)^{11-1}) - 1) \\
&:= (2+2+2) \times ((2^{22/2}) - 2) \\
&:= 3 \times (3 \times (((3/3+3)^3) + 33)) \\
&:= (4-4/4) \times (((4+4)^4) - 4) \\
&:= (5-5/5) \times (5^5 - (55+5/5)) \\
&:= 66 \times ((6 \times (6 \times 6 - 6)) + 6) \\
&:= 77/7 \times (((7777 - (7+7))/7) + 7) \\
&:= ((88+8)/8) \times ((8 \times (8 \times (8+8))) - 8/8) \\
&:= 99 \times (((99 - ((9+9)/9)) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12277 &:= 1 + ((1+11) \times (((1+1)^{11-1}) - 1)) \\
&:= ((222/2)^2) - (2 \times 22) \\
&:= (3 \times ((3/3+3)^{3+3}) - (33/3)) \\
&:= (4^4 \times (44+4)) - (44/4) \\
&:= 5 + ((5-5/5) \times (5^5 - (((5+5)/5) + 55))) \\
&:= 6/6 + (66 \times ((6 \times (6 \times 6 - 6)) + 6)) \\
&:= 7 + (((77/7) \times (7777/7)) + (7 \times 7)) \\
&:= (8 \times (8 \times 8 \times (8+8+8))) - (88/8) \\
&:= (((9-9/9) + 9) \times ((9 \times (9 \times 9)) - 9/9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12278 &:= 1 + (1 + ((1+11) \times (((1+1)^{11-1}) - 1))) \\
&:= 2 + ((2+2+2) \times ((2^{22/2}) - 2)) \\
&:= (3 \times (((3/3+3)^{3+3}) - 3)) - 3/3 \\
&:= ((4-44)/4) + (4^4 \times (44+4)) \\
&:= ((5-5/5) \times (5^5 - 55)) - ((5+5)/5) \\
&:= ((6+6)/6) + (66 \times ((6 \times (6 \times 6 - 6)) + 6)) \\
&:= 7 + ((7 \times ((7+7) \times (77+7 \times 7))) - 77) \\
&:= ((8-88)/8) + (8 \times (8 \times 8 \times (8+8+8))) \\
&:= (((9-9/9) + 9) \times ((9 \times (9 \times 9)) - ((9+9)/9))) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12279 &:= (1+1+1) \times (((1+1)^{11+1}) - (1+1+1)) \\
&:= 2 + (((222/2)^2) - (2 \times 22)) \\
&:= 3 \times (((3/3+3)^{3+3}) - 3) \\
&:= (4-4/4) \times (((4+4)^4) - 4) + 4/4 \\
&:= ((5-5/5) \times (5^5 - 55)) - 5/5 \\
&:= (((666/6)^{(6+6)/6}) - (6 \times 6+6)) \\
&:= 7 + (((777/7)^{(7+7)/7}) - (7 \times 7)) \\
&:= (8 \times (8 \times 8 \times (8+8+8))) - (8/8+8) \\
&:= (((99+9)/9) \times (((9+9)/9)^{9/9+9})) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12280 &:= (1+1) \times (((1+1+1) \times (((1+1)^{11}) - 1)) - 1) \\
&:= 2 + (((2+2+2) \times ((2^{22/2}) - 2)) + 2) \\
&:= 3/3 + (3 \times (((3/3+3)^{3+3}) - 3)) \\
&:= (4^4 \times (44+4)) - (4+4) \\
&:= (5-5/5) \times (5^5 - 55) \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) + 6)) - ((6+6)/6)) \\
&:= ((77/7) \times (((7777-7)/7) + 7)) - 7 \\
&:= (8 \times (8 \times 8 \times (8+8+8))) - 8 \\
&:= 99 + (((99/9) + 99)^{(9+9)/9}) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12281 &:= ((1+1) \times ((1+1+1) \times (((1+1)^{11}) - 1))) - 1 \\
&:= (2 \times (2 - 22)) + ((222/2)^2) \\
&:= 3 + ((3 \times ((3/3+3)^{3+3}) - 3)) - 3/3 \\
&:= 4 + ((4^4 \times (44+4)) - 44/4) \\
&:= 5/5 + ((5 - 5/5) \times (5^5 - 55)) \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) + 6)) - 6/6) \\
&:= ((7 - 7/7) \times (((7+7)/7)^{77/7})) - 7 \\
&:= 8/8 + ((8 \times (8 \times 8 \times (8+8+8))) - 8) \\
&:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12282 &:= (1+1) \times ((1+1+1) \times (((1+1)^{11}) - 1)) \\
&:= (2/2+2) \times ((2^{2 \times (2+2+2)} - 2) \\
&:= 3 + (3 \times (((3/3+3)^{3+3}) - 3)) \\
&:= (4 - 4/4) \times (((4+4)^4) - ((4+4)/4)) \\
&:= ((5+5)/5) + ((5 - 5/5) \times (5^5 - 55)) \\
&:= 6 + (66 \times ((6 \times (6 \times 6 - 6)) + 6)) \\
&:= (7 - 7/7) \times ((7 \times (7 \times ((7 \times 7) - 7))) - (77/7)) \\
&:= ((8+8)/8) + ((8 \times (8 \times 8 \times (8+8+8))) - 8) \\
&:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12283 &:= 1 + ((1+1) \times ((1+1+1) \times (((1+1)^{11}) - 1))) \\
&:= 2 + (((222/2)^2) + (2 \times (2 - 22))) \\
&:= 3 + ((3 \times ((3/3+3)^{3+3}) - 3) + 3/3) \\
&:= (4^4 \times (44+4)) - (4/4+4) \\
&:= (((55+5)/5) \times ((5 - 5/5)^5)) - 5 \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) + 6)) + 6/6) \\
&:= 7 + ((77/7) \times (((7777 - (7+7))/7) + 7)) \\
&:= 88/8 + ((8+8) \times ((8 \times (88+8)) - 8/8)) \\
&:= ((9 - 999)/9) + (9 \times (9 \times ((9 \times (9+9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12284 &:= ((1+1+1) \times (((1+1)^{11+1}) - 1)) - 1 \\
&:= 2 \times (((2/2+2) \times (2^{22/2})) - 2) \\
&:= (3 \times ((3/3+3)^{3+3}) - (3/3+3)) \\
&:= (4^4 \times (44+4)) - 4 \\
&:= (5 - 5/5) \times ((5^5 - 55) + 5/5) \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) + 6)) + ((6+6)/6)) \\
&:= ((77 - 7/7) + 7) \times ((7 \times (7+7+7)) + 7/7) \\
&:= (8 \times (8 \times 8 \times (8+8+8))) - (8 \times 8/(8+8)) \\
&:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - ((9/9+99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12285 &:= (1+1+1) \times (((1+1)^{11+1}) - 1) \\
&:= ((222/2)^2) - ((2+2+2)^2) \\
&:= (3 \times ((3/3+3)^{3+3}) - 3) \\
&:= 4/4 + ((4^4 \times (44+4)) - 4) \\
&:= 5 + ((5 - 5/5) \times (5^5 - 55)) \\
&:= ((666/6)^{(6+6)/6}) - (6 \times 6) \\
&:= ((77+7) + 7) \times (((7+7)/7)^7) + 7 \\
&:= 8 + ((8 \times (8 \times 8 \times (8+8+8))) - 88/8) \\
&:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12286 &:= 1 + ((1+1+1) \times (((1+1)^{11+1}) - 1)) \\
&:= ((2+2+2) \times (2^{22/2})) - 2 \\
&:= 3/3 + ((3 \times ((3/3+3)^{3+3}) - 3) \\
&:= (4^4 \times (44+4)) - ((4+4)/4) \\
&:= 5 + (((5 - 5/5) \times (5^5 - 55)) + 5/5) \\
&:= (6 \times (((6+6)/6)^{66/6})) - ((6+6)/6) \\
&:= 7 + (((777/7)^{(7+7)/7}) - (7 \times 7)) + 7 \\
&:= (8 \times (8 \times 8 \times (8+8+8))) - ((8+8)/8) \\
&:= 9/9 + ((9 \times (9 \times ((9 \times (9+9)) - 9))) - (99+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12287 &:= ((1+1+1) \times ((1+1)^{11+1}) - 1) \\
&:= ((2+2+2) \times (2^{22/2})) - 2/2 \\
&:= (3 \times ((3/3+3)^{3+3}) - 3/3) \\
&:= (4^4 \times (44+4)) - 4/4 \\
&:= (55/5) \times (((5555+5)/5) + 5) \\
&:= (66/6) \times (((6666/6) + 6) \\
&:= 77/7 \times (((7777 - 7)/7) + 7) \\
&:= (8 \times (8 \times 8 \times (8+8+8))) - 8/8 \\
&:= 9 \times 9 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12288 &:= (1+1+1) \times ((1+1)^{11+1}) \\
&:= (2+2+2) \times (2^{22/2}) \\
&:= 3 \times ((3/3+3)^{3+3}) \\
&:= 4^4 \times (44+4) \\
&:= ((55+5)/5) \times ((5 - 5/5)^5) \\
&:= 6 \times (((6+6)/6)^{66/6}) \\
&:= (7 - 7/7) \times (((7+7)/7)^{77/7}) \\
&:= 8 \times (8 \times 8 \times (8+8+8)) \\
&:= ((99+9)/9) \times (((9+9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12289 &:= 1 + ((1+1+1) \times ((1+1)^{11+1})) \\
&:= 2/2 + ((2+2+2) \times (2^{22/2})) \\
&:= 3/3 + (3 \times ((3/3+3)^{3+3})) \\
&:= 4/4 + (4^4 \times (44+4)) \\
&:= 5 + ((5 - 5/5) \times ((5^5 - 55) + 5/5)) \\
&:= 6/6 + (6 \times (((6+6)/6)^{66/6})) \\
&:= 7/7 + ((7 - 7/7) \times (((7+7)/7)^{77/7})) \\
&:= 8/8 + (8 \times (8 \times 8 \times (8+8+8))) \\
&:= 9/9 + (((99+9)/9) \times (((9+9)/9)^{9/9+9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12290 &:= 1 + (1 + ((1+1+1) \times ((1+1)^{11+1}))) \\
&:= 2 + ((2+2+2) \times (2^{22/2})) \\
&:= 3 + ((3 \times ((3/3+3)^{3+3}) - 3/3) \\
&:= ((4+4)/4) + (4^4 \times (44+4)) \\
&:= 5 + (((5 - 5/5) \times (5^5 - 55)) + 5) \\
&:= ((6+6)/6) + (6 \times (((6+6)/6)^{66/6})) \\
&:= ((7+7)/7) + ((7 - 7/7) \times (((7+7)/7)^{77/7})) \\
&:= ((8+8)/8) + (8 \times (8 \times 8 \times (8+8+8))) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9+9)) - 9))) - ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12291 &:= (1 + 1 + 1) \times (1 + ((1 + 1)^{11+1})) \\
&:= 2 + (((2 + 2 + 2) \times (2^{22/2})) + 2/2) \\
&:= 3 + (3 \times ((3/3 + 3)^{3+3})) \\
&:= 4 + ((4^4 \times (44 + 4)) - 4/4) \\
&:= (55/5) + ((5 - 5/5) \times (5^5 - 55)) \\
&:= 6 + (((666/6)^{6+6}/6) - (6 \times 6)) \\
&:= ((77/7) \times ((7777/7) + 7)) - 7 \\
&:= 88/8 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) - 8) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12292 &:= 1 + ((1 + 1 + 1) \times (1 + ((1 + 1)^{11+1}))) \\
&:= 2 + (((2 + 2 + 2) \times (2^{22/2})) + 2) \\
&:= 3 + ((3 \times ((3/3 + 3)^{3+3})) + 3/3) \\
&:= 4 + (4^4 \times (44 + 4)) \\
&:= 5 + (55/5 \times (((5555 + 5)/5) + 5)) \\
&:= 6 + ((6 \times (((6 + 6)/6)^{66/6})) - ((6 + 6)/6)) \\
&:= (7 \times (((7 + 7) \times (77 + 7 \times 7)) - 7)) - 7 \\
&:= (8 \times 8/(8 + 8)) + (8 \times (8 \times 8 \times (8 + 8 + 8))) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) - 9))) - (((9 + 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12293 &:= 1 + (1 + ((1 + 1 + 1) \times (1 + ((1 + 1)^{11+1})))) \\
&:= (222/2)^2 + (2 \times (2 - (2^{2+2}))) \\
&:= 3 + (((3 \times ((3/3 + 3)^{3+3})) - 3/3) + 3) \\
&:= 4 + ((4^4 \times (44 + 4)) + 4/4) \\
&:= 5 + (((55 + 5)/5) \times ((5 - 5/5)^5)) \\
&:= 6 + ((66/6) \times ((6666/6) + 6)) \\
&:= 7/7 + ((7 \times (((7 + 7) \times (77 + 7 \times 7)) - 7)) - 7) \\
&:= 8 + (((8 \times (8 \times 8 \times (8 + 8 + 8))) - 88/8) + 8) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12294 &:= (1 + 1) \times ((1 + 1 + 1) \times (1 + ((1 + 1)^{11}))) \\
&:= (2/2 + 2) \times ((2^{2 \times (2+2+2)} + 2) \\
&:= 3 + ((3 \times ((3/3 + 3)^{3+3})) + 3) \\
&:= 4 + ((4^4 \times (44 + 4)) + ((4 + 4)/4)) \\
&:= 5 + (((5 - 5/5) \times ((5^5 - 55) + 5/5)) + 5) \\
&:= 6 + (6 \times (((6 + 6)/6)^{66/6})) \\
&:= 7 + ((77/7) \times (((7777 - 7)/7) + 7)) \\
&:= 8 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) - ((8 + 8)/8)) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) - 9))) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12295 &:= 1 + ((1 + 1) \times ((1 + 1 + 1) \times (1 + ((1 + 1)^{11})))) \\
&:= ((222/2)^2) - (22 + 2 + 2) \\
&:= 3 + (((3 \times ((3/3 + 3)^{3+3})) + 3/3) + 3) \\
&:= 4 + (((4^4 \times (44 + 4)) - 4/4) + 4) \\
&:= (5 \times 5^5) - ((5/5 + 5) \times 555) \\
&:= 6 + ((6 \times (((6 + 6)/6)^{66/6})) + 6/6) \\
&:= 7 + ((7 - 7/7) \times (((7 + 7)/7)^{77/7})) \\
&:= 8 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) - 8/8) \\
&:= 9/9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12296 &:= 11 + ((1 + 1 + 1) \times (((1 + 1)^{11+1}) - 1)) \\
&:= 2 + ((2/2 + 2) \times ((2^{2 \times (2+2+2)} + 2)) \\
&:= (3 \times (((3/3 + 3)^{3+3}) + 3)) - 3/3 \\
&:= 4 + ((4^4 \times (44 + 4)) + 4) \\
&:= ((555/5)^{(5+5)/5}) - (5 \times 5) \\
&:= 6 + ((6 \times (((6 + 6)/6)^{66/6})) + ((6 + 6)/6)) \\
&:= 7 + (((7 - 7/7) \times (((7 + 7)/7)^{77/7})) + 7/7) \\
&:= 8 + (8 \times (8 \times 8 \times (8 + 8 + 8))) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12297 &:= (111^{1+1}) - ((1 + 1) \times (1 + 11)) \\
&:= ((222/2)^2) - (22 + 2) \\
&:= 3 \times (((3/3 + 3)^{3+3}) + 3) \\
&:= 4 + (((4^4 \times (44 + 4)) + 4/4) + 4) \\
&:= 5/5 + (((555/5)^{(5+5)/5}) - (5 \times 5)) \\
&:= 6 + (((666/6)^{6+6}/6) - (6 \times 6)) + 6) \\
&:= (7 \times (((7 + 7) \times (77 + 7 \times 7)) - 7)) - ((7 + 7)/7) \\
&:= 8 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) + 8/8) \\
&:= 9 + (((99 + 9)/9) \times (((9 + 9)/9)^{9/9+9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12298 &:= (111^{1+1}) - (1 + 11 + 11) \\
&:= ((222/2)^2) - (22 + 2/2) \\
&:= 3/3 + (3 \times (((3/3 + 3)^{3+3}) + 3)) \\
&:= ((44 - 4)/4) + (4^4 \times (44 + 4)) \\
&:= 5 + (((55 + 5)/5) \times ((5 - 5/5)^5)) + 5) \\
&:= (66/6) \times (((6666 + 6)/6) + 6) \\
&:= 77/7 \times ((7777/7) + 7) \\
&:= 8 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) + ((8 + 8)/8)) \\
&:= (99/9) \times (((9999 - (9 + 9))/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12299 &:= (111^{1+1}) - (11 + 11) \\
&:= ((222/2)^2) - 22 \\
&:= (33/3) + (3 \times ((3/3 + 3)^{3+3})) \\
&:= (44/4) + (4^4 \times (44 + 4)) \\
&:= ((5 - 5/5) \times ((5^5 - 55) + 5)) - 5/5 \\
&:= (66/6) + (6 \times (((6 + 6)/6)^{66/6})) \\
&:= 7 \times (((7 + 7) \times (77 + 7 \times 7)) - 7) \\
&:= 88/8 + (8 \times (8 \times 8 \times (8 + 8 + 8))) \\
&:= 99 + ((9/9 + 99) \times ((999 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12300 &:= (1 + 11) \times (1 + ((1 + 1)^{11-1})) \\
&:= (2 + 2 + 2) \times ((2^{22/2}) + 2) \\
&:= 3 + (3 \times (((3/3 + 3)^{3+3}) + 3)) \\
&:= (4 - 4/4) \times (((4 + 4)^4) + 4) \\
&:= (5 - 5/5) \times ((5^5 - 55) + 5) \\
&:= 6 + ((6 \times (((6 + 6)/6)^{66/6})) + 6) \\
&:= 7/7 + (7 \times (((7 + 7) \times (77 + 7 \times 7)) - 7)) \\
&:= ((88 + 8)/8) + (8 \times (8 \times 8 \times (8 + 8 + 8))) \\
&:= (9/9 + 9) \times (((99/9) \times (999/9)) + 9)
\end{aligned}$$

- ▶ **12301** := $1 + ((1 + 11) \times (1 + ((1 + 1)^{11-1}))$
:= $2 + (((222/2)^2) - 22)$
:= $3 + ((3 \times (((3/3 + 3)^{3+3}) + 3)) + 3/3)$
:= $4/4 + ((4 - 4/4) \times (((4 + 4)^4) + 4))$
:= $5 + (((555/5)^{(5+5)/5}) - (5 \times 5))$
:= $6 + (((6 \times (((6 + 6)/6)^{66/6})) + 6/6) + 6)$
:= $((7 + 7)/7) + (7 \times (((7 + 7) \times (77 + 7 \times 7)) - 7))$
:= $((88/8) \times ((8888/8) + 8)) - 8$
:= $(9 \times ((9 \times (9 \times (9 + 9)) - 9) - 9)) - (99/9)$
- ▶ **12302** := $1 + (1 + ((1 + 11) \times (1 + ((1 + 1)^{11-1}))))$
:= $2 + ((2 + 2 + 2) \times ((2^{22/2}) + 2))$
:= $3 + ((3 \times ((3/3 + 3)^{3+3})) + (33/3))$
:= $4 + ((4^4 \times (44 + 4)) + ((44 - 4)/4))$
:= $((5 + 5)/5) + ((5 - 5/5) \times ((5^5 - 55) + 5))$
:= $6 + (((6 \times (((6 + 6)/6)^{66/6})) + ((6 + 6)/6)) + 6)$
:= $7 + (((7 - 7/7) \times (((7 + 7)/7)^{77/7})) + 7)$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8 + 8))) - ((8 + 8)/8)) + 8)$
:= $9 \times 9 + ((99/9) \times 9999/9)$
- ▶ **12303** := $(111^{1+1}) - ((1 + 1) \times (11 - 1 - 1))$
:= $2 + (((222/2)^2) - 22) + 2$
:= $3 + ((3 \times (((3/3 + 3)^{3+3}) + 3)) + 3)$
:= $4 + ((4^4 \times (44 + 4)) + 44/4)$
:= $5 + (((((55 + 5)/5) \times ((5 - 5/5)^5)) + 5) + 5)$
:= $((666/6)^{(6+6)/6}) - (6 + 6 + 6)$
:= $((777/7)^{(7+7)/7}) - (77/7 + 7)$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8 + 8))) - 8/8) + 8)$
:= $(9 \times ((9 \times (9 \times (9 + 9)) - 9) - 9)) - 9$
- ▶ **12304** := $1 + ((111^{1+1}) - ((1 + 1) \times (11 - 1 - 1)))$
:= $2 + (((2 + 2 + 2) \times ((2^{22/2}) + 2)) + 2)$
:= $3 + (((3 \times (((3/3 + 3)^{3+3}) + 3)) + 3/3) + 3)$
:= $4 \times ((4^4 \times (4 + 4 + 4)) + 4)$
:= $(5 - 5/5) \times (((5^5 - 55) + 5/5) + 5)$
:= $6 + ((66/6) \times (((6666 + 6)/6) + 6))$
:= $((7 + 7)/7 + 7) \times (777 - (7/7 + 7))$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) + 8)$
:= $9/9 + ((9 \times ((9 \times ((9 \times (9 + 9)) - 9) - 9)) - 9) - 9)$
- ▶ **12305** := $(111^{1+1}) - ((1 + 1)^{1+1+1+1})$
:= $((222/2)^2) - (2^{2+2})$
:= $(3 \times (((3/3 + 3)^{3+3}) + 3) + 3) - 3/3$
:= $4 \times 4 + ((4^4 \times (44 + 4)) + 4/4)$
:= $5 + ((5 - 5/5) \times ((5^5 - 55) + 5))$
:= $6 + ((6 \times (((6 + 6)/6)^{66/6})) + (66/6))$
:= $7 + ((77/7) \times ((7777/7) + 7))$
:= $((888/8)^{(8+8)/8}) - (8 + 8)$
:= $((9 + 9)/9) + ((9 \times ((9 \times ((9 \times (9 + 9)) - 9) - 9)) - 9) - 9)$
- ▶ **12306** := $(111^{1+1}) - (1 + (1 + 1 + 1 + 11))$
:= $2/2 + (((222/2)^2) - (2^{2+2}))$
:= $3 \times (((3/3 + 3)^{3+3}) + 3) + 3$
:= $4 \times 4 + ((4^4 \times (44 + 4)) + ((4 + 4)/4))$
:= $((555/5)^{(5+5)/5}) - (5 + 5 + 5)$
:= $6 + (((6 \times (((6 + 6)/6)^{66/6})) + 6) + 6)$
:= $7 + (7 \times (((7 + 7) \times (77 + 7 \times 7)) - 7))$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8 + 8))) + ((8 + 8)/8)) + 8)$
:= $9 + (((99 + 9)/9) \times (((9 + 9)/9)^{9/9+9}) + 9)$
- ▶ **12307** := $(111^{1+1}) - (1 + 1 + 1 + 11)$
:= $2 + (((222/2)^2) - (2^{2+2}))$
:= $3/3 + (3 \times (((3/3 + 3)^{3+3}) + 3) + 3)$
:= $4 + (((4^4 \times (44 + 4)) + 44/4) + 4)$
:= $((((5 + 5)/5) + 5)^5) - ((5 \times (5 \times 55)) + 5^5)$
:= $((6 \times 6 - 6) + 6/6) \times ((6 \times 66) + 6/6)$
:= $((777/7)^{(7+7)/7}) - (7 + 7)$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) + (88/8))$
:= $9 + ((99/9) \times (((9999 - 9 + 9)/9) + 9))$
- ▶ **12308** := $(111^{1+1}) - (1 + 1 + 11)$
:= $((222/2)^2) - ((22/2) + 2)$
:= $(33/3) + (3 \times (((3/3 + 3)^{3+3}) + 3))$
:= $4 + ((4^4 \times (44 + 4)) + 4 \times 4)$
:= $5 \times 5 + (((55 + 5)/5) \times ((5 - 5/5)^5)) - 5$
:= $((66/6) + 6) \times (((66 \times 66) - (6 + 6))/6)$
:= $7/7 + (((777/7)^{(7+7)/7}) - (7 + 7))$
:= $8 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) + ((88 + 8)/8))$
:= $((9 - 9/9) + 9) \times (((9 - 99)/(9 + 9)) + (9 \times (9 \times 9)))$
- ▶ **12309** := $(111^{1+1}) - 11 - 1$
:= $((222/2)^2) - (2 \times (2 + 2 + 2))$
:= $3 + (3 \times (((3/3 + 3)^{3+3}) + 3) + 3)$
:= $4 + (((4^4 \times (44 + 4)) + 4/4) + 4 \times 4)$
:= $5 + ((5 - 5/5) \times (((5^5 - 55) + 5/5) + 5))$
:= $((666/6)^{(6+6)/6}) - (6 + 6)$
:= $77/7 \times (((7777 + 7)/7) + 7)$
:= $(88/8) \times ((8888/8) + 8)$
:= $(99/9) \times (((9999 - 9)/9) + 9)$
- ▶ **12310** := $(111^{1+1}) - 11$
:= $((222/2)^2) - (22/2)$
:= $((333/3)^{3-3/3}) - (33/3)$
:= $(4^4 \times (44 + 4)) + (44/((4 + 4)/4))$
:= $5 + (((5 - 5/5) \times ((5^5 - 55) + 5)) + 5)$
:= $((666/6)^{(6+6)/6}) - (66/6)$
:= $((777/7)^{(7+7)/7}) - (77/7)$
:= $((888/8)^{(8+8)/8}) - (88/8)$
:= $(9 \times ((9 \times ((9 \times (9 + 9)) - 9) - 9)) - (9 + 9)/9)$

- **12311** := $1 + ((111^{1+1}) - 11)$
:= $((2 - 22)/2) + ((222/2)^2)$
:= $((33 + 3) \times (333 + 3 \times 3)) - 3/3$
:= $(44/4) + ((4 - 4/4) \times (((4 + 4)^4) + 4))$
:= $((555/5)^{(5+5)/5}) - (5 + 5)$
:= $6 \times 6 + ((66 \times ((6 \times (6 \times 6 - 6)) + 6)) - 6/6)$
:= $((7 - 77)/7) + (((777/7)^{(7+7)/7})$
:= $((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8/8)) - 8/8$
:= $(9 \times ((9 \times (9 \times (9 + 9)) - 9)) - 9) - 9/9$
- **12312** := $1 + (1 + ((111^{1+1}) - 11))$
:= $2 + (((222/2)^2) - (22/2))$
:= $(33 + 3) \times (333 + 3 \times 3)$
:= $(4 - 4/4) \times (((4 + 4)^4) + 4) + 4$
:= $5/5 + (((555/5)^{(5+5)/5}) - (5 + 5))$
:= $6 \times (((66 \times (6 \times 6 - 6)) + 66) + 6)$
:= $7 + (((77/7) \times ((7777/7) + 7)) + 7)$
:= $(8 + 8 + 8) \times ((8 \times 8 \times 8) + 8/8)$
:= $9 \times (9 \times ((9 \times (9 + 9)) - 9)) - 9$
- **12313** := $1 + (1 + (1 + ((111^{1+1}) - 11)))$
:= $((222/2)^2) - (2 \times (2 + 2))$
:= $3/3 + ((33 + 3) \times (333 + 3 \times 3))$
:= $((444/4)^{(4+4)/4}) - (4 + 4)$
:= $5 \times 5 + (((55 + 5)/5) \times ((5 - 5/5)^5))$
:= $6 + (((6 \times 6 - 6) + 6/6) \times ((6 \times 66) + 6/6))$
:= $(77 \times ((777/7) + (7 \times 7))) - 7$
:= $((888/8)^{(8+8)/8}) - 8$
:= $9/9 + (9 \times ((9 \times ((9 \times (9 + 9)) - 9)) - 9))$
- **12314** := $1 + (1 + (1 + (1 + ((111^{1+1}) - 11))))$
:= $2 + (((222/2)^2) - (22/2)) + 2$
:= $3^3 + ((3 \times ((3/3 + 3)^{3+3})) - 3/3)$
:= $4 + ((4^4 \times (44 + 4)) + (44/((4 + 4)/4)))$
:= $(5 \times 5^5) - ((55 \times (55 + 5)) + (55/5))$
:= $((666/6)^{(6+6)/6}) - (6/6 + 6)$
:= $((777/7)^{(7+7)/7}) - 7$
:= $8/8 + (((888/8)^{(8+8)/8}) - 8)$
:= $((9 + 9)/9) + (9 \times ((9 \times ((9 \times (9 + 9)) - 9)) - 9))$
- **12315** := $(111^{1+1}) - ((1 + 1) \times (1 + 1 + 1))$
:= $((222/2)^2) - (2 + 2 + 2)$
:= $3 \times (((3/3 + 3)^{3+3}) + 3 \times 3)$
:= $4 \times 4 + ((4^4 \times (44 + 4)) + 44/4)$
:= $5 \times (((5 - 5^5)/(5 + 5)) + (5 \times 555))$
:= $((666/6)^{(6+6)/6}) - 6$
:= $7/7 + (((777/7)^{(7+7)/7}) - 7)$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8 + 8))) + (88/8)) + 8)$
:= $((9 + 9 + 9)/9) + (9 \times ((9 \times ((9 \times (9 + 9)) - 9)) - 9))$
- **12316** := $(111^{1+1}) - (1 + 1 + 1 + 1 + 1)$
:= $((222/2)^2) - (2/2 + 2 + 2)$
:= $3^3 + ((3 \times ((3/3 + 3)^{3+3})) + 3/3)$
:= $4 + ((4 - 4/4) \times (((4 + 4)^4) + 4) + 4)$
:= $((555/5)^{(5+5)/5}) - 5$
:= $6/6 + (((666/6)^{(6+6)/6}) - 6)$
:= $7 + ((77/7) \times (((7777 + 7)/7) + 7))$
:= $8 + (((8 \times (8 \times 8 \times (8 + 8 + 8))) + ((88 + 8)/8)) + 8)$
:= $((9 - 99)/(9 + 9)) + ((999/9)^{(9+9)/9})$
- **12317** := $(111^{1+1}) - (1 + 1 + 1 + 1)$
:= $((222/2)^2) - (2 + 2)$
:= $((33/3)^3) + ((33 \times 333) - 3)$
:= $((444/4)^{(4+4)/4}) - 4$
:= $5/5 + (((555/5)^{(5+5)/5}) - 5)$
:= $((6 + 6)/6) + (((666/6)^{(6+6)/6}) - 6)$
:= $7 + (((777/7)^{(7+7)/7}) - (77/7))$
:= $8 + ((88/8) \times ((8888/8) + 8))$
:= $((9/9 + 99) + 9) \times (((999 + 9) + 9)/9)$
- **12318** := $(111^{1+1}) - (1 + 1 + 1)$
:= $((222/2)^2) - (2/2 + 2)$
:= $((333/3)^{3-3/3}) - 3$
:= $4/4 + (((444/4)^{(4+4)/4}) - 4)$
:= $(5/5 + 5) \times (((5 + 5)/5)^{55/5}) + 5$
:= $(6 \times (((6 + 6)/6)^{66/6}) + 6) - 6$
:= $((777/7)^{(7+7)/7}) - ((7 + 7 + 7)/7)$
:= $8 + (((888/8)^{(8+8)/8}) - 88/8)$
:= $9 + ((99/9) \times (((9999 - 9)/9) + 9))$
- **12319** := $(111^{1+1}) - (1 + 1)$
:= $((222/2)^2) - 2$
:= $3/3 + (((333/3)^{3-3/3}) - 3)$
:= $(4 \times (4 + 4)) + ((4^4 \times (44 + 4)) - 4/4)$
:= $((555/5)^{(5+5)/5}) - ((5 + 5)/5)$
:= $((666/6)^{(6+6)/6}) - ((6 + 6)/6)$
:= $((777/7)^{(7+7)/7}) - ((7 + 7)/7)$
:= $((8/8 + 88) + 8) \times ((8 \times (8 + 8)) - 8/8)$
:= $((999/9)^{(9+9)/9}) - ((9 + 9)/9)$
- **12320** := $(111^{1+1}) - 1$
:= $((222/2)^2) - 2/2$
:= $((33/3)^3) + (33 \times 333)$
:= $4 \times (((4^4 \times (4 + 4 + 4)) + 4) + 4)$
:= $55 \times ((5 - 5/5) \times (55 + 5/5))$
:= $((666/6)^{(6+6)/6}) - 6/6$
:= $77 \times ((777/7) + (7 \times 7))$
:= $8 + ((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8/8))$
:= $(99/9) \times (9999/9 + 9)$

- **12321** := 111^{1+1}
:= $(222/2)^2$
:= $(333/3)^{3-3/3}$
:= $(444/4)^{(4+4)/4}$
:= $(555/5)^{(5+5)/5}$
:= $(666/6)^{(6+6)/6}$
:= $(777/7)^{(7+7)/7}$
:= $(888/8)^{(8+8)/8}$
:= $(999/9)^{(9+9)/9}$
- **12322** := $1 + (111^{1+1})$
:= $2/2 + ((222/2)^2)$
:= $3/3 + ((333/3)^{3-3/3})$
:= $4/4 + ((444/4)^{(4+4)/4})$
:= $5/5 + ((555/5)^{(5+5)/5})$
:= $6/6 + ((666/6)^{(6+6)/6})$
:= $7/7 + ((777/7)^{(7+7)/7})$
:= $8/8 + ((888/8)^{(8+8)/8})$
:= $9/9 + ((999/9)^{(9+9)/9})$
- **12323** := $1 + (1 + (111^{1+1}))$
:= $2 + ((222/2)^2)$
:= $3 + ((33 \times 333) + ((33/3)^3))$
:= $((4 + 4)/4) + ((444/4)^{(4+4)/4})$
:= $((5 + 5)/5) + ((555/5)^{(5+5)/5})$
:= $((6 + 6)/6) + ((666/6)^{(6+6)/6})$
:= $((7 + 7)/7) + ((777/7)^{(7+7)/7})$
:= $((8 + 8)/8) + ((888/8)^{(8+8)/8})$
:= $((9 + 9)/9) + ((999/9)^{(9+9)/9})$
- **12324** := $1 + (1 + (1 + (111^{1+1})))$
:= $2 + (((222/2)^2) + 2/2)$
:= $3 + ((333/3)^{3-3/3})$
:= $4 + ((4^4 \times (44 + 4)) + (4 \times (4 + 4)))$
:= $(5 - 5/5) \times (((55/5) - 55) + 5^5)$
:= $6 \times (((6 + 6)/6)^{66/6} + 6)$
:= $((7 + 7 + 7)/7) + ((777/7)^{(7+7)/7})$
:= $88/8 + (((888/8)^{(8+8)/8}) - 8)$
:= $((99 + 9)/9) + (9 \times ((9 \times (9 + 9)) - 9) - 9)$
- **12325** := $1 + (1 + (1 + (1 + (111^{1+1}))))$
:= $2 + (((222/2)^2) + 2)$
:= $3 + (((333/3)^{3-3/3}) + 3/3)$
:= $4 + ((444/4)^{(4+4)/4})$
:= $(5 \times 5^5) - (55 \times (55 + 5))$
:= $6/6 + (6 \times (((6 + 6)/6)^{66/6} + 6))$
:= $(77/7) + (((777/7)^{(7+7)/7}) - 7)$
:= $8 + (((88/8) \times ((8888/8) + 8)) + 8)$
:= $((9 - 9/9) + 9) \times (((9 - (9 \times 9))/(9 + 9)) + (9 \times (9 \times 9)))$
- **12326** := $1 + (1 + (1 + (1 + (1 + (111^{1+1}))))))$
:= $2 + (((((222/2)^2) + 2/2) + 2)$
:= $3 + (((33 \times 333) + ((33/3)^3) + 3)$
:= $4 + (((444/4)^{(4+4)/4}) + 4/4)$
:= $5 + ((555/5)^{(5+5)/5})$
:= $6 + (((666/6)^{(6+6)/6}) - 6/6)$
:= $7 + (((777/7)^{(7+7)/7}) - ((7 + 7)/7))$
:= $8 + (((888/8)^{(8+8)/8}) - 88/8 + 8)$
:= $9 + (((9/9 + 99) + 9) \times (((999 + 9) + 9)/9))$
- **12327** := $(111^{1+1}) + ((1 + 1) \times (1 + 1 + 1))$
:= $2 + (((222/2)^2) + 2) + 2$
:= $3 + (((333/3)^{3-3/3}) + 3)$
:= $44 + ((4^4 \times (44 + 4)) - (4/4 + 4))$
:= $5 + (((555/5)^{(5+5)/5}) + 5/5)$
:= $6 + ((666/6)^{(6+6)/6})$
:= $7 + (77 \times ((777/7) + (7 \times 7)))$
:= $8 + (((8/8 + 88) + 8) \times ((8 \times (8 + 8)) - 8/8))$
:= $9 + (((99/9) \times (((9999 - 9)/9) + 9)) + 9)$
- **12328** := $1 + ((111^{1+1}) + ((1 + 1) \times (1 + 1 + 1)))$
:= $2 + (((((222/2)^2) + 2/2) + 2) + 2)$
:= $3 + (((((333/3)^{3-3/3}) + 3/3) + 3)$
:= $44 + ((4^4 \times (44 + 4)) - 4)$
:= $5 + (((555/5)^{(5+5)/5}) + ((5 + 5)/5))$
:= $6 + (((666/6)^{(6+6)/6}) + 6/6)$
:= $7 + ((777/7)^{(7+7)/7})$
:= $((8 + 8) \times ((8 \times (88 + 8)) + 8)) - 88$
:= $9 + (((999/9)^{(9+9)/9}) - ((9 + 9)/9))$
- **12329** := $11 + ((111^{1+1}) - (1 + 1 + 1))$
:= $(2 \times (2 + 2)) + ((222/2)^2)$
:= $((3 + 3) \times 3^3) + ((3^3 - (3/3 + 3))^3)$
:= $4 + (((444/4)^{(4+4)/4}) + 4)$
:= $5 + ((5 - 5/5) \times (((55/5) - 55) + 5^5))$
:= $6 + (((666/6)^{(6+6)/6}) + ((6 + 6)/6))$
:= $7 + (((777/7)^{(7+7)/7}) + 7/7)$
:= $8 + ((888/8)^{(8+8)/8})$
:= $9 + ((99/9) \times (9999/9 + 9))$
- **12330** := $11 + ((111^{1+1}) - (1 + 1))$
:= $(22/2) + (((222/2)^2) - 2)$
:= $3 \times 3 + ((333/3)^{3-3/3})$
:= $44 + ((4^4 \times (44 + 4)) - ((4 + 4)/4))$
:= $5 + ((5 \times 5^5) - (55 \times (55 + 5)))$
:= $6 + (6 \times (((6 + 6)/6)^{66/6} + 6))$
:= $(7 - 7/7) \times (((7 + 7)/7)^{77/7} + 7)$
:= $8 + (((888/8)^{(8+8)/8}) + 8/8)$
:= $9 + ((999/9)^{(9+9)/9})$

- **12331** := $11 + ((111^{1+1}) - 1)$
:= $2 + (((222/2)^2) + (2 \times (2 + 2)))$
:= $3 \times 3 + (((333/3)^{3-3/3}) + 3/3)$
:= $44 + ((4^4 \times (44 + 4)) - 4/4)$
:= $5 + (((555/5)^{(5+5)/5}) + 5)$
:= $6 + ((6 \times (((6 + 6)/6)^{66/6}) + 6)) + 6/6)$
:= $(77/7) + (77 \times ((777/7) + (7 \times 7)))$
:= $8 + (((888/8)^{(8+8)/8}) + ((8 + 8)/8))$
:= $9 + (((999/9)^{(9+9)/9}) + 9/9)$
- **12332** := $11 + (111^{1+1})$
:= $(22/2) + ((222/2)^2)$
:= $(33/3) + ((333/3)^{3-3/3})$
:= $44 + (4^4 \times (44 + 4))$
:= $(55/5) + (((555/5)^{(5+5)/5})$
:= $(66/6) + (((666/6)^{(6+6)/6})$
:= $(77/7) + (((777/7)^{(7+7)/7})$
:= $88/8 + (((888/8)^{(8+8)/8})$
:= $(99/9) + (((999/9)^{(9+9)/9})$
- **12333** := $1 + (11 + (111^{1+1}))$
:= $(2 \times (2 + 2 + 2)) + ((222/2)^2)$
:= $3 + ((3 \times (((3/3 + 3)^{3+3}) + 3)) + 33)$
:= $44 + ((4^4 \times (44 + 4)) + 4/4)$
:= $((55 + 5)/5) + (((555/5)^{(5+5)/5})$
:= $6 + (((666/6)^{(6+6)/6}) + 6)$
:= $((77 + 7)/7) + (((777/7)^{(7+7)/7})$
:= $((88 + 8)/8) + (((888/8)^{(8+8)/8})$
:= $((99 + 9)/9) + (((999/9)^{(9+9)/9})$
- **12334** := $1 + (1 + (11 + (111^{1+1})))$
:= $2 + (((222/2)^2) + (22/2))$
:= $3 + (((3 \times (((3/3 + 3)^{3+3}) + 3)) + 33) + 3/3)$
:= $44 + ((4^4 \times (44 + 4)) + ((4 + 4)/4))$
:= $55 + (((5 - 5/5) \times (5^5 - 55)) - 5/5)$
:= $6 + (((666/6)^{(6+6)/6}) + 6/6) + 6)$
:= $(7 + 7) \times ((7 \times (77 + 7 \times 7)) - 7/7)$
:= $((8 - ((8 + 8)/8)) + 8) \times ((888 - 8) + 8/8)$
:= $(9 - ((9 + 9)/9)) \times (((9 + 9) \times 99) - (99/9 + 9))$
- **12335** := $1 + (1 + (1 + (11 + (111^{1+1}))))$
:= $(2^{2+2}) + (((222/2)^2) - 2)$
:= $3 + (((333/3)^{3-3/3}) + (33/3))$
:= $((4 + 4 + 4) \times ((4 \times 4^4) + 4)) - 4/4$
:= $55 + ((5 - 5/5) \times (5^5 - 55))$
:= $(66/6) + (6 \times (((6 + 6)/6)^{66/6}) + 6))$
:= $7 + (((777/7)^{(7+7)/7}) + 7)$
:= $(888/8) + (8 \times ((8 \times 8 \times (8 + 8 + 8)) - 8))$
:= $((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)) - 9999/9$
- **12336** := $1 + (1 + (1 + (1 + (11 + (111^{1+1}))))))$
:= $(22 + 2) \times ((2^{(2/2+2)^2}) + 2)$
:= $(3/3 + 3) \times (((((3 \times (3 + 3)) + 3)^3)/3) - 3)$
:= $(4 + 4 + 4) \times ((4 \times 4^4) + 4)$
:= $5 + (((555/5)^{(5+5)/5}) + 5) + 5)$
:= $6 + ((6 \times (((6 + 6)/6)^{66/6}) + 6)) + 6)$
:= $7 + (((777/7)^{(7+7)/7}) + 7/7) + 7)$
:= $(8 + 8 + 8) \times ((8 \times 8 \times 8) + ((8 + 8)/8))$
:= $(9 - 9/9) \times ((9 \times (9 \times (9 + 9)) + 9)) + ((9 + 9 + 9)/9)$
- **12337** := $(111^{1+1}) + ((1 + 1)^{1+1+1+1})$
:= $(2^{2+2}) + ((222/2)^2)$
:= $((33 + 3) \times ((3/3 + 3 + 3)^3)) - (33/3)$
:= $4 \times 4 + ((444/4)^{(4+4)/4})$
:= $5 + (((555/5)^{(5+5)/5}) + (55/5))$
:= $6 + (((6 \times (((6 + 6)/6)^{66/6}) + 6)) + 6/6) + 6)$
:= $(7 \times ((7 + 7) \times (77 + 7 \times 7))) - (77/7)$
:= $8 + (((888/8)^{(8+8)/8}) + 8)$
:= $9 + (((999/9)^{(9+9)/9}) - ((9 + 9)/9)) + 9)$
- **12338** := $1 + ((111^{1+1}) + ((1 + 1)^{1+1+1+1}))$
:= $2 + ((22 + 2) \times ((2^{(2/2+2)^2}) + 2))$
:= $3 + (((333/3)^{3-3/3}) + (33/3)) + 3)$
:= $((4 + 4)/4) + ((4 + 4 + 4) \times ((4 \times 4^4) + 4))$
:= $55 + (((55 + 5)/5) \times ((5 - 5/5)^5)) - 5)$
:= $6 + (((666/6)^{(6+6)/6}) + (66/6))$
:= $((7 - 77)/7) + (7 \times ((7 + 7) \times (77 + 7 \times 7)))$
:= $8 + (((888/8)^{(8+8)/8}) + 8/8) + 8)$
:= $9 + ((99/9) \times (9999/9 + 9)) + 9)$
- **12339** := $(111^{1+1}) + ((1 + 1) \times (11 - 1 - 1))$
:= $2 + (((222/2)^2) + (2^{2+2}))$
:= $3 \times (((3 \times 3 + 3) \times ((3/3 + 3 + 3)^3)) - 3)$
:= $4 + (((4 + 4 + 4) \times ((4 \times 4^4) + 4)) - 4/4)$
:= $55 + ((5 - 5/5) \times ((5^5 - 55) + 5/5))$
:= $6 + (((666/6)^{(6+6)/6}) + 6) + 6)$
:= $7 + (((777/7)^{(7+7)/7}) + (77/7))$
:= $8 + (((888/8)^{(8+8)/8}) + ((8 + 8)/8)) + 8)$
:= $9 + (((999/9)^{(9+9)/9}) + 9)$
- **12340** := $(11 \times (11 + 1111)) - (1 + 1)$
:= $22 + (((222/2)^2) - (2/2 + 2))$
:= $(3/3 + 3) \times (((((3 \times (3 + 3)) + 3)^3) - (3 + 3))/3)$
:= $4 + ((4 + 4 + 4) \times ((4 \times 4^4) + 4))$
:= $(5 \times (5^5 - (((5 + 5)/5)^5))) - 5^5$
:= $((6 + 6)/6)^6 + (66 \times ((6 \times (6 \times 6 - 6)) + 6))$
:= $(7 \times ((7 + 7) \times (77 + 7 \times 7))) - (7/7 + 7)$
:= $8 + (((888/8)^{(8+8)/8}) + (88/8))$
:= $9 + (((999/9)^{(9+9)/9}) + 9/9) + 9)$

$$\begin{aligned}
\blacktriangleright 12341 &:= (11 \times (11 + 1111)) - 1 \\
&:= 22 + (((222/2)^2) - 2) \\
&:= (3 \times (((3/3 + 3)^{3+3}) + (3 \times (3 + 3)))) - 3/3 \\
&:= 4 + (((4 + 4 + 4) \times ((4 \times 4^4) + 4)) + 4/4) \\
&:= 5 \times 5 + (((555/5)^{(5+5)/5}) - 5) \\
&:= 66 + ((66 \times ((6 \times (6 \times 6 - 6)) + 6)) - 6/6) \\
&:= (7 \times ((7 + 7) \times (77 + 7 \times 7))) - 7 \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 8)) - (88/8) \\
&:= 9 + (((999/9)^{(9+9)/9}) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12342 &:= 11 \times (11 + 1111) \\
&:= 22 + (((222/2)^2) - 2/2) \\
&:= 3 \times (((3/3 + 3)^{3+3}) + (3 \times (3 + 3))) \\
&:= (44/4) \times ((4444 + 44)/4) \\
&:= (55/5) \times ((5555 + 55)/5) \\
&:= 66 + (66 \times ((6 \times (6 \times 6 - 6)) + 6)) \\
&:= 7 + (((777/7)^{(7+7)/7}) + 7) + 7 \\
&:= (88/8) \times ((8888 + 88)/8) \\
&:= (99/9) \times ((9999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12343 &:= 1 + (11 \times (11 + 1111)) \\
&:= 22 + ((222/2)^2) \\
&:= 3/3 + (3 \times (((3/3 + 3)^{3+3}) + (3 \times (3 + 3)))) \\
&:= 44 + ((4^4 \times (44 + 4)) + 44/4) \\
&:= 55 + (((55 + 5)/5) \times ((5 - 5/5)^5)) \\
&:= 66 + ((66 \times ((6 \times (6 \times 6 - 6)) + 6)) + 6/6) \\
&:= ((7 + 7)/7) + ((7 \times ((7 + 7) \times (77 + 7 \times 7))) - 7) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 8)) - (8/8 + 8) \\
&:= 9/9 + ((99/9) \times ((9999 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12344 &:= 1 + (1 + (11 \times (11 + 1111))) \\
&:= 22 + (((222/2)^2) + 2/2) \\
&:= (3/3 + 3) \times (((3 \times (3 + 3)) + 3^3) - 3)/3 \\
&:= 4 + (((4 + 4 + 4) \times ((4 \times 4^4) + 4)) + 4) \\
&:= (5 \times 5^5) + (((5^5 - 5)/(5 - (5 \times 5))) - 5^5) \\
&:= 6 + (((666/6)^{(6+6)/6}) + (66/6)) + 6 \\
&:= 7 + ((7 \times ((7 + 7) \times (77 + 7 \times 7))) - (77/7)) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 8)) - 8 \\
&:= ((9 - (9 \times 99))/(9 + 9)) + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12345 &:= (111^{1+1}) + ((1 + 1) \times (1 + 11)) \\
&:= 2 + (((222/2)^2) + 22) \\
&:= ((33 + 3) \times ((3/3 + 3 + 3)^3)) - 3 \\
&:= 4 + (((4 + 4 + 4) \times ((4 \times 4^4) + 4)) + 4/4) + 4 \\
&:= (5 \times (5^5 - (5 \times 5 + 5))) - (5^5 + 5) \\
&:= 6 + (((666/6)^{(6+6)/6}) + 6) + 6 + 6 \\
&:= ((7 + 7 + 7)/7) \times ((7 \times (7 \times (77 + 7))) - 7/7) \\
&:= 8 + (((888/8)^{(8+8)/8}) + 8) + 8 \\
&:= 9 + (((99 - 9/9) \times (999/9)) + (9 \times (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12346 &:= 1 + ((111^{1+1}) + ((1 + 1) \times (1 + 11))) \\
&:= 2 + (((222/2)^2) + 22) + 2/2 \\
&:= 3/3 + (((33 + 3) \times ((3/3 + 3 + 3)^3)) - 3) \\
&:= 4 + ((44/4) \times ((4444 + 44)/4)) \\
&:= 5 \times 5 + ((555/5)^{(5+5)/5}) \\
&:= 6 + ((66 \times ((6 \times (6 \times 6 - 6)) + 6)) + ((6 + 6)/6)^6) \\
&:= (7 \times ((7 + 7) \times (77 + 7 \times 7))) - ((7 + 7)/7) \\
&:= ((8 + 8)/8) + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) + 8)) - 8) \\
&:= (((999 + 9)/9)^{(9+9)/9}) - (99 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12347 &:= (111^{1+1}) + ((1 + 1) \times (1 + 1 + 11)) \\
&:= 2 + (((222/2)^2) + 22) + 2 \\
&:= ((33 + 3) \times ((3/3 + 3 + 3)^3)) - 3/3 \\
&:= (44/4) + ((4 + 4 + 4) \times ((4 \times 4^4) + 4)) \\
&:= 5 + (55/5 \times ((5555 + 55)/5)) \\
&:= (66 \times 66) + (((6 + 6) \times 666) - 6/6) \\
&:= (7 \times ((7 + 7) \times (77 + 7 \times 7))) - 7/7 \\
&:= 88/8 + ((8 + 8 + 8) \times ((8 \times 8 \times 8) + ((8 + 8)/8))) \\
&:= ((99 - 9/9) \times ((99 + 9 + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12348 &:= (111^{1+1}) + ((1 + 1 + 1)^{1+1+1}) \\
&:= 2 \times ((2^{2+2} - 2) \times ((22 - 2/2)^2)) \\
&:= (33 + 3) \times ((3/3 + 3 + 3)^3) \\
&:= (4^4 - 4) \times ((44 + 4/4) + 4) \\
&:= ((55 + 5)/5) \times ((5 - 5/5)^5 + 5) \\
&:= 6 \times (6 \times ((6/6 + 6)^{6 \times 6 / (6+6)})) \\
&:= 7 \times ((7 + 7) \times (77 + 7 \times 7)) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 8)) - (8 \times 8 / (8 + 8)) \\
&:= (99 - 9/9) \times ((99 + 9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12349 &:= 1 + ((111^{1+1}) + ((1 + 1 + 1)^{1+1+1})) \\
&:= 2 + (((222/2)^2) + 22) + 2 + 2 \\
&:= 3/3 + ((33 + 3) \times ((3/3 + 3 + 3)^3)) \\
&:= 4/4 + ((4^4 - 4) \times ((44 + 4/4) + 4)) \\
&:= (5 \times (5^5 - (5 \times 5 + 5))) - (5^5 + 5/5) \\
&:= 6/6 + (((6 + 6) \times 666) + (66 \times 66)) \\
&:= 7/7 + (7 \times ((7 + 7) \times (77 + 7 \times 7))) \\
&:= 8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) + 8)) - 88/8) \\
&:= 9/9 + ((99 - 9/9) \times ((99 + 9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12350 &:= (11 - 1) \times (1 + (1 + (1 + (11 \times (1 + 111)))))) \\
&:= 2 + (2 \times ((2^{2+2} - 2) \times ((22 - 2/2)^2))) \\
&:= 3 + (((33 + 3) \times ((3/3 + 3 + 3)^3)) - 3/3) \\
&:= (4^4 \times (44 + 4)) + ((4^4 - (4 + 4))/4) \\
&:= 5 \times ((55 \times 55) - 555) \\
&:= 6 \times 6 + (((666/6)^{(6+6)/6}) - (6/6 + 6)) \\
&:= ((7 + 7)/7) + (7 \times ((7 + 7) \times (77 + 7 \times 7))) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 8)) - ((8 + 8)/8) \\
&:= ((9/9 + 9) + 9) \times ((9 \times ((9 \times 9) - 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12351 &:= (111^{1+1}) + ((11-1) \times (1+1+1)) \\
&:= 22 + (((222/2)^2) + (2 \times (2+2))) \\
&:= 3 + ((33+3) \times ((3/3+3+3)^3)) \\
&:= ((4^4-4)/4) + (4^4 \times (44+4)) \\
&:= 5 + (((555/5)^{(5+5)/5}) + 5 \times 5) \\
&:= 6 \times 6 + (((666/6)^{(6+6)/6}) - 6) \\
&:= ((7+7+7)/7) + (7 \times ((7+7) \times (77+7 \times 7))) \\
&:= (8 \times ((8 \times 8 \times (8+8+8)) + 8)) - 8/8 \\
&:= 9 + ((99/9) \times ((9999+99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12352 &:= (11 \times (1+11+1111)) - 1 \\
&:= 2 \times (((2^{2+2} - 2) \times ((22-2/2)^2)) + 2) \\
&:= (3/3+3) \times (((((3 \times (3+3)) + 3)^3) + 3)/3) \\
&:= 4 \times ((4^4 \times (4+4+4)) + 4 \times 4) \\
&:= (5-5/5) \times (5^5 - (((5+5)/5)^5) + 5) \\
&:= (((6+6)/6)^6) + (6 \times (((6+6)/6)^{66/6})) \\
&:= (77/7) + ((7 \times ((7+7) \times (77+7 \times 7))) - 7) \\
&:= 8 \times ((8 \times 8 \times (8+8+8)) + 8) \\
&:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - (((9 \times (9 \times 9)) + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12353 &:= 11 \times (1+11+1111) \\
&:= (2 \times (2^{2+2})) + ((222/2)^2) \\
&:= 33 + ((33 \times 333) + ((33/3)^3)) \\
&:= ((4^4+4)/4) + (4^4 \times (44+4)) \\
&:= 5 + (((55+5)/5) \times ((5-5/5)^5 + 5)) \\
&:= (66/6) \times (((6666/6) + 6) + 6) \\
&:= 7 + ((7 \times ((7+7) \times (77+7 \times 7))) - ((7+7)/7)) \\
&:= 8/8 + (8 \times ((8 \times 8 \times (8+8+8)) + 8)) \\
&:= (99/9) \times (((9+9)/9)^{9/9+9} + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12354 &:= 1 + (11 \times (1+11+1111)) \\
&:= 22 + (((222/2)^2) + (22/2)) \\
&:= 33 + ((333/3)^{3-3/3}) \\
&:= (4^4 \times (44+4)) + ((4^4+4+4)/4) \\
&:= 5 + ((5 \times (5^5 - (5 \times 5 + 5))) - (5^5 + 5/5)) \\
&:= 66 + (6 \times (((6+6)/6)^{66/6})) \\
&:= 7 + ((7 \times ((7+7) \times (77+7 \times 7))) - 7/7) \\
&:= ((8+8)/8) + (8 \times ((8 \times 8 \times (8+8+8)) + 8)) \\
&:= ((9 \times 9) - (9/9+9)) \times (((99+9)/9) + (9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12355 &:= 1 + (1 + (11 \times (1+11+1111))) \\
&:= 2 + (((222/2)^2) + (2 \times (2^{2+2}))) \\
&:= 3 + ((3 \times ((3/3+3)^{3+3})) + ((3/3+3)^3)) \\
&:= 4 + ((4^4 \times (44+4)) + ((4^4-4)/4)) \\
&:= 5 + (5 \times ((55 \times 55) - 555)) \\
&:= 66 + ((6 \times (((6+6)/6)^{66/6})) + 6/6) \\
&:= 7 + (7 \times ((7+7) \times (77+7 \times 7))) \\
&:= 88/8 + ((8 \times ((8 \times 8 \times (8+8+8)) + 8)) - 8) \\
&:= (9 - ((9+9)/9)) \times (((9+9) \times (99-9/9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12356 &:= 1 + (1 + (1 + (11 \times (1+11+1111)))) \\
&:= 2 \times (((2 \times (2 \times (22-2)))^2) - 222) \\
&:= ((3+3)^3) + (((3^3 - (3/3+3))^3) - 3^3) \\
&:= 4 + (((44+4) \times (4^4-4)) + 4^4) \\
&:= (5-5/5) \times (5^5 - ((55/5) + 5 \times 5)) \\
&:= 6 \times 6 + (((666/6)^{(6+6)/6}) - 6/6) \\
&:= 7 + ((7 \times ((7+7) \times (77+7 \times 7))) + 7/7) \\
&:= (8 \times 8/(8+8)) + (8 \times ((8 \times 8 \times (8+8+8)) + 8)) \\
&:= 9 + (((99-9/9) \times ((99+9+9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12357 &:= (111^{1+1}) + ((1+1+1) \times (1+11)) \\
&:= ((2+2+2)^2) + ((222/2)^2) \\
&:= 3 + (((333/3)^{3-3/3}) + 33) \\
&:= 4 + ((4^4 \times (44+4)) + ((4^4+4)/4)) \\
&:= 5 + ((5-5/5) \times (5^5 - (((5+5)/5)^5) + 5)) \\
&:= 6 \times 6 + ((666/6)^{(6+6)/6}) \\
&:= 7 + ((7 \times ((7+7) \times (77+7 \times 7))) + (7+7)/7) \\
&:= 8 + (((8 \times ((8 \times 8 \times (8+8+8)) + 8)) - 88/8) + 8) \\
&:= 9 + ((99-9/9) \times ((99+9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12358 &:= (111^{1+1}) + (111/(1+1+1)) \\
&:= 2 + (((222-2)/2)^2) + (2^{2 \times (2+2)}) \\
&:= ((3/3+33) + 3) \times (333+3/3) \\
&:= 4 + ((4^4 \times (44+4)) + ((4^4+4+4)/4)) \\
&:= 5 + (((55+5)/5) \times ((5-5/5)^5 + 5)) + 5 \\
&:= 6 \times 6 + (((6666/6)^{(6+6)/6}) + 6/6) \\
&:= ((77-7)/7) + (7 \times ((7+7) \times (77+7 \times 7))) \\
&:= 8 + ((8 \times ((8 \times 8 \times (8+8+8)) + 8)) - ((8+8)/8)) \\
&:= (((9-9/9) + 9) \times ((9 \times (9 \times 9)) - 9/9)) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12359 &:= 1 + ((111^{1+1}) + (111/(1+1+1))) \\
&:= 2 + (((222/2)^2) + ((2+2+2)^2)) \\
&:= (33/3) + ((33+3) \times ((3/3+3+3)^3)) \\
&:= 4 + (((4^4 \times (44+4)) + ((4^4-4)/4)) + 4) \\
&:= (5 \times (5^5 - 5)) - (((555/5) + 5^5) + 5) \\
&:= ((66/6) + 6) \times (((66 \times 66) + 6)/6) \\
&:= (77/7) + (7 \times ((7+7) \times (77+7 \times 7))) \\
&:= 8 + ((8 \times ((8 \times 8 \times (8+8+8)) + 8)) - 8/8) \\
&:= ((9-9/9) + 9) \times ((9 \times (9 \times 9)) - (9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12360 &:= (1+1) \times ((1+1+1) \times (1 + (11 + ((1+1)^{11})))) \\
&:= 2 \times (((2 \times (2 \times (22-2)))^2) - 222) + 2 \\
&:= 3 \times (((3/3+3)^{3+3}) - 3) + 3^3 \\
&:= 4 + (((44+4) \times (4^4-4)) + 4^4) + 4 \\
&:= (5-5/5) \times (5^5 - ((5 \times 5 + 5) + 5)) \\
&:= 6 \times (((6+6)/6)^{66/6}) + 6/6 \\
&:= (7-7/7) \times ((7 \times (7 \times ((7 \times 7) - 7))) + (7+7)/7) \\
&:= 8 + (8 \times ((8 \times 8 \times (8+8+8)) + 8)) \\
&:= ((99+9)/9) \times (9999/9 - (9 \times 9))
\end{aligned}$$

- ▶ **12361** := $(111^{1+1}) + ((1+1) \times ((1+1) \times (11-1)))$
:= $(2 \times (22-2)) + ((222/2)^2)$
:= $3 + (((3/3+33)+3) \times (333+3/3))$
:= $44 + (((444/4)^{(4+4)/4}) - 4)$
:= $5 + ((5-5/5) \times (5^5 - ((55/5) + 5 \times 5)))$
:= $6/6 + (6 \times (((((6+6)/6)^{66/6}) + 6) + 6))$
:= $7 + (((7 \times ((7+7) \times (77+7 \times 7))) - 7/7) + 7)$
:= $8 + ((8 \times ((8 \times 8 \times (8+8+8)) + 8)) + 8/8)$
:= $9 + ((9 \times (9 \times ((9 \times (9+9)) - 9))) - (((9 \times (9 \times 9)) + 9)/(9+9)))$
- ▶ **12362** := $(11 \times (1 + (1 + 11 + 1111))) - (1 + 1)$
:= $(22^2 \times (22 + 2 + 2)) - 222$
:= $(33 \times (3 + 3)) + (((3^3 - (3/3 + 3))^3) - 3)$
:= $(4^4 \times (44 + 4)) + (((4^4 - 4) + 44)/4)$
:= $((5 + 5)/5) \times (5555 + ((5^5 + 5)/5))$
:= $6 + (((666/6)^{(6+6)/6}) - 6/6) + (6 \times 6)$
:= $7 + ((7 \times ((7+7) \times (77+7 \times 7))) + 7)$
:= $8 + ((8 \times ((8 \times 8 \times (8+8+8)) + 8)) + ((8+8)/8))$
:= $9 + ((99/9) \times (((9+9)/9)^{9/9+9}) + 99))$
- ▶ **12363** := $(11 \times (1 + (1 + 11 + 1111))) - 1$
:= $(2 \times 22) + (((222/2)^2) - 2)$
:= $3 + (3 \times (((3/3+3)^{3+3}) - 3) + 3^3)$
:= $(4^4 \times (44 + 4)) + (44 + 4^4)/4$
:= $(5 \times (5^5 - 5)) - (((555+5)/5) + 5^5)$
:= $6 + (((666/6)^{(6+6)/6}) + (6 \times 6))$
:= $7 \times 7 + (((777/7)^{(7+7)/7}) - 7)$
:= $88/8 + (8 \times ((8 \times 8 \times (8+8+8)) + 8))$
:= $(9 \times ((9 \times (9 \times (9+9)) - 9) + 9)) - (999/9)$
- ▶ **12364** := $11 \times (1 + (1 + 11 + 1111))$
:= $22 \times (((22+2)^2) - (2^{2+2})) + 2$
:= $(33/3) \times (((3 \times 3 + 3 + 3)^3) - 3)/3$
:= $4 \times 4 + ((4^4 - 4) \times ((44+4/4) + 4))$
:= $(5 \times (5^5 - 5)) - ((555/5) + 5^5)$
:= $(66/6) \times (((6666+6)/6) + 6) + 6$
:= $77/7 \times (((7777-7)/7) + 7) + 7$
:= $((88+8)/8) + (8 \times ((8 \times 8 \times (8+8+8)) + 8))$
:= $(9 \times (9 \times ((9 \times (9+9)) - 9))) - ((99/9+9) + 9)$
- ▶ **12365** := $1 + (11 \times (1 + (1 + 11 + 1111)))$
:= $(2 \times 22) + ((222/2)^2)$
:= $(33 \times (3 + 3)) + ((3^3 - (3/3 + 3))^3)$
:= $44 + (((444/4)^{(4+4)/4})$
:= $(5 \times (5^5 - (5 \times 5))) - (5^5 + 5 + 5)$
:= $6 + (((66/6) + 6) \times (((66 \times 66) + 6)/6))$
:= $77 + ((7-7/7) \times (((7+7)/7)^{77/7}))$
:= $88 + ((8 \times (8 \times 8 \times (8+8+8))) - 88/8)$
:= $(9 \times (9 \times ((9 \times (9+9)) - 9))) - (((9/9+9) + 9) + 9)$
- ▶ **12366** := $1 + (1 + (11 \times (1 + (1 + 11 + 1111))))$
:= $2/2 + (((222/2)^2) + 2 \times 22)$
:= $3 \times ((33 \times (((3-3/3) + 3)^3)) - 3)$
:= $44 + (((444/4)^{(4+4)/4}) + 4/4)$
:= $((5-5/5) + 5) \times ((5 \times (5 \times 55)) - 5/5)$
:= $6 + (6 \times (((((6+6)/6)^{66/6}) + 6) + 6))$
:= $(77/7+7) \times ((7 \times (7 \times (7+7))) + 7/7)$
:= $8 + (((8 \times ((8 \times 8 \times (8+8+8)) + 8)) - ((8+8)/8)) + 8)$
:= $(9 \times (9 \times ((9 \times (9+9)) - 9))) - (9+9+9)$
- ▶ **12367** := $(111^{1+1}) + ((1+1) \times (1 + 11 + 11))$
:= $2 + (((222/2)^2) + 2 \times 22)$
:= $3 + ((33/3) \times (((3 \times 3 + 3 + 3)^3) - 3)/3)$
:= $4 + ((4^4 \times (44 + 4)) + (44 + 4^4)/4)$
:= $((5-5/5) \times (5^5 - (((5+5)/5)^5))) - 5$
:= $6 + ((6 \times (((((6+6)/6)^{66/6}) + 6) + 6)) + 6/6)$
:= $((((7+7)/7)^7) \times ((7 \times (7+7)) - 7/7)) - (7 \times 7)$
:= $8 + (((8 \times ((8 \times 8 \times (8+8+8)) + 8)) - 8/8) + 8)$
:= $(((9-9/9) + 9) \times ((9 \times (9 \times 9)) - 9/9)) - 9$
- ▶ **12368** := $1 + ((111^{1+1}) + ((1+1) \times (1 + 11 + 11)))$
:= $2 + (((222/2)^2) + 2 \times 22) + 2/2$
:= $(3 \times (((3/3+3)^{3+3}) + 3^3)) - 3/3$
:= $4 \times (((4^4 \times (4+4+4)) + 4 \times 4) + 4)$
:= $(5-5/5) \times (5^5 - (((5+5)/5)^5) + 5/5)$
:= $6 \times 6 + (((666/6)^{(6+6)/6}) + (66/6))$
:= $(7/7+7) \times (((7+7) \times 777) - 7/7) - 7$
:= $8 + ((8 \times ((8 \times 8 \times (8+8+8)) + 8)) + 8)$
:= $9 + (((9-9/9) + 9) \times ((9 \times (9 \times 9)) - ((9+9)/9)))$
- ▶ **12369** := $(111^{1+1}) + ((1+1) \times ((1+1) \times (1 + 11)))$
:= $(2 \times (22+2)) + ((222/2)^2)$
:= $3 \times (((3/3+3)^{3+3}) + 3^3)$
:= $((4-4/4)^4) + (4^4 \times (44+4))$
:= $(5 \times (5^5 - (5 \times 5))) - ((5^5 + 5/5) + 5)$
:= $6 + (((666/6)^{(6+6)/6}) + (6 \times 6)) + 6$
:= $(7+7+7) \times ((7 \times (77+7)) + 7/7)$
:= $8 + (((8 \times ((8 \times 8 \times (8+8+8)) + 8)) + 8/8) + 8)$
:= $9 + (((99+9)/9) \times (9999/9 - (9 \times 9)))$
- ▶ **12370** := $1 + ((111^{1+1}) + ((1+1) \times ((1+1) \times (1 + 11))))$
:= $2/2 + (((222/2)^2) + (2 \times (22+2)))$
:= $3/3 + (3 \times (((3/3+3)^{3+3}) + 3^3))$
:= $4/4 + ((4^4 \times (44+4)) + ((4-4/4)^4))$
:= $(5 \times (5^5 - (5 \times 5))) - (5^5 + 5)$
:= $6 + ((66/6) \times (((6666+6)/6) + 6) + 6)$
:= $7 \times 7 + ((777/7)^{(7+7)/7})$
:= $8 + (((8 \times ((8 \times 8 \times (8+8+8)) + 8)) + ((8+8)/8)) + 8)$
:= $(9 \times (9 \times ((9 \times (9+9)) - 9))) - (((99+99) + 9)/9)$

$$\begin{aligned}
 \blacktriangleright 12371 &:= (111^{1+1}) + (((11-1)^{1+1})/(1+1)) \\
 &:= 2 + (((222/2)^2) + (2 \times (22+2))) \\
 &:= 3 + ((3 \times ((3/3+3)^{3+3}) + 3^3) - 3/3) \\
 &:= 4^4 \times 44 + ((4444/4) - 4) \\
 &:= 55 + (((555/5)^{(5+5)/5}) - 5) \\
 &:= (6 \times (6 \times 6 \times 6 - 6)) + (66666/6) \\
 &:= 7/7 + (((777/7)^{(7+7)/7}) + (7 \times 7)) \\
 &:= (8/8 + 88) \times (8 \times (8+8) + (88/8)) \\
 &:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - ((99+99)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12376 &:= (111^{1+1}) + ((111-1)/(1+1)) \\
 &:= 2 \times ((2^{2+2} - 2) \times (2 \times 222 - 2)) \\
 &:= 3/3 + (3 \times (33 \times ((3-3/3) + 3^3))) \\
 &:= 44 + ((4^4 \times (44+4)) + 44) \\
 &:= 55 + ((555/5)^{(5+5)/5}) \\
 &:= ((66/6) + 6) \times (((6 \times 6/(6+6))^6) - 6/6) \\
 &:= 7 + ((7+7+7) \times ((7 \times (77+7)) + 7/7)) \\
 &:= 88 + (8 \times (8 \times 8 \times (8+8+8))) \\
 &:= ((9-9/9) + 9) \times ((9 \times (9 \times 9)) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12372 &:= 1 + ((111^{1+1}) + (((11-1)^{1+1})/(1+1))) \\
 &:= 2 \times (((2^{2+2} - 2) \times (2 \times 222 - 2)) - 2) \\
 &:= 3 + (3 \times ((3/3+3)^{3+3}) + 3^3) \\
 &:= 4 + ((4^4 \times (44+4)) + (4 \times (4 \times 4 + 4))) \\
 &:= (5 - 5/5) \times (5^5 - (((5+5)/5)^5)) \\
 &:= 6 + ((6 \times (((6+6)/6)^{66/6}) + 6) + 6) + 6) \\
 &:= (7 - 7/7) \times (((7+7)/7)^{77/7}) + 7 + 7) \\
 &:= ((88+8)/8) \times (((8 \times (8 \times (8+8))) - 8/8) + 8) \\
 &:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - (((99+9)/9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12377 &:= (111^{1+1}) + ((1+111)/(1+1)) \\
 &:= (222/2)^2 + (2 \times ((22+2+2) + 2)) \\
 &:= 3 + ((3 \times (33 \times ((3-3/3) + 3^3))) - 3/3) \\
 &:= 4 + (((4^4 \times (44+4)) + ((4-4/4)^4)) + 4) \\
 &:= 5 + ((5-5/5) \times (5^5 - (((5+5)/5)^5))) \\
 &:= 6 + (66666/6 + (6 \times (6 \times 6 \times 6 - 6))) \\
 &:= 7 + (((777/7)^{(7+7)/7}) + (7 \times 7)) \\
 &:= 8/8 + ((8 \times (8 \times 8 \times (8+8+8))) + 88) \\
 &:= 9/9 + (((9-9/9) + 9) \times ((9 \times (9 \times 9)) - 9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12373 &:= 1111 + ((11 \times ((1+1)^{11-1})) - (1+1)) \\
 &:= (222/2)^2 + (2 \times (22+2+2)) \\
 &:= 3 + ((3 \times ((3/3+3)^{3+3}) + 3^3) + 3/3) \\
 &:= 4 + ((4^4 \times (44+4)) + ((4-4/4)^4)) \\
 &:= (5 \times (5^5 - (5 \times 5))) - (((5+5)/5) + 5^5) \\
 &:= 66 + (((6 \times 6 - 6) + 6/6) \times ((6 \times 66) + 6/6)) \\
 &:= 7 + ((77/7 + 7) \times ((7 \times (7 \times (7+7))) + 7/7)) \\
 &:= 8 \times 8 + ((88/8) \times ((8888/8) + 8)) \\
 &:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - (99/9 + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12378 &:= 1 + ((111^{1+1}) + ((1+111)/(1+1))) \\
 &:= 2 + (2 \times ((2^{2+2} - 2) \times (2 \times 222 - 2))) \\
 &:= 3 + (3 \times (33 \times ((3-3/3) + 3^3))) \\
 &:= 4 + (((4444-4)/4) + (4^4 \times 44)) \\
 &:= 5 + ((5 \times (5^5 - (5 \times 5))) - (((5+5)/5) + 5^5)) \\
 &:= (6 \times 66) + (((6+6+6) \times 666) - 6) \\
 &:= 7 + (((777/7)^{(7+7)/7}) + (7 \times 7)) + 7/7) \\
 &:= 88 + ((8 \times (8 \times 8 \times (8+8+8))) + ((8+8)/8)) \\
 &:= ((9+9)/9) + (((9-9/9) + 9) \times ((9 \times (9 \times 9)) - 9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12374 &:= 1111 + ((11 \times ((1+1)^{11-1}) - 1) \\
 &:= (2 \times ((2^{2+2} - 2) \times (2 \times 222 - 2))) - 2 \\
 &:= (3 \times (33 \times ((3-3/3) + 3^3))) - 3/3 \\
 &:= 4^4 \times 44 + ((4444-4)/4) \\
 &:= (5 \times (5^5 - (5 \times 5))) - (5^5 + 5/5) \\
 &:= 6 + (((666/6)^{(6+6)/6}) + (66/6)) + (6 \times 6) \\
 &:= ((7 \times 77) - 7/7) \times (((7+7)/7 + 7) + 7) + 7) \\
 &:= 88 + ((8 \times (8 \times 8 \times (8+8+8))) - ((8+8)/8)) \\
 &:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - ((9/9 + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12379 &:= 1 + (1 + ((111^{1+1}) + ((1+111)/(1+1)))) \\
 &:= 22 + (((222/2)^2) + ((2+2+2)^2)) \\
 &:= 3 + ((3 \times (33 \times ((3-3/3) + 3^3))) + 3/3) \\
 &:= 4 + ((4444/4) + (4^4 \times 44)) \\
 &:= 5 + ((5 \times (5^5 - (5 \times 5))) - (5^5 + 5/5)) \\
 &:= 6/6 + (((6+6+6) \times 666) - 6) + (6 \times 66) \\
 &:= (77 \times ((77+77) + 7)) - (77/7 + 7) \\
 &:= 8 + ((8/8 + 88) \times (8 \times (8+8) + (88/8))) \\
 &:= ((9-99)/(9+9)) + ((9 \times (9 \times ((9 \times (9+9)) - 9))) - 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12375 &:= 11 \times (1 + (1 + (1 + 11 + 111))) \\
 &:= 2 + (((222/2)^2) + (2 \times (22+2+2))) \\
 &:= 3 \times (33 \times ((3-3/3) + 3^3)) \\
 &:= 4^4 \times 44 + (4444/4) \\
 &:= 5 \times (55 \times (55 - (5+5))) \\
 &:= 66 + (((666/6)^{(6+6)/6}) - (6+6)) \\
 &:= 77/7 \times (((777/7) + 7) + 7) \\
 &:= 88 + ((8 \times (8 \times 8 \times (8+8+8))) - 8/8) \\
 &:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - (9+9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12380 &:= (111^{1+1}) + (((11^{1+1}) - 1)/(1+1)) - 1 \\
 &:= 2 \times ((22+2) \times ((2^{2 \times (2+2)} + 2)) - 2) \\
 &:= ((3+3)^3) + (((3^3 - (3/3+3))^3) - 3) \\
 &:= 44 + ((4+4+4) \times ((4 \times 4^4) + 4)) \\
 &:= 5 + (5 \times (55 \times (55 - (5+5)))) \\
 &:= 66 + (((666/6)^{(6+6)/6}) - (6/6 + 6)) \\
 &:= 7 + (((77/7 + 7) \times ((7 \times (7 \times (7+7))) + 7/7)) + 7) \\
 &:= 8 + (((88+8)/8) \times (((8 \times (8 \times (8+8))) - 8/8) + 8)) \\
 &:= (9 \times (9 \times ((9 \times (9+9)) - 9))) - ((99+9+9)/9)
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12381 &:= (111^{1+1}) + (((11^{1+1}) - 1)/(1 + 1)) \\
&:= (2^{2+2}) + (((222/2)^2) + 2 \times 22) \\
&:= 3 + ((3 \times (33 \times ((3 - 3/3) + 3^3))) + 3) \\
&:= 4 \times 4 + (((444/4)^{(4+4)/4}) + 44) \\
&:= 5 + ((5 \times (55 \times (55 - (5 + 5)))) + 5/5) \\
&:= 66 + (((666/6)^{(6+6)/6}) - 6) \\
&:= 7 + (((7 \times 77) - 7/7) \times (((7 + 7)/7 + 7) + 7) + 7) \\
&:= 8 + (((88/8) \times ((8888/8) + 8)) + (8 \times 8)) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) - 9))) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12382 &:= (111^{1+1}) + ((1 + (11^{1+1}))/ (1 + 1)) \\
&:= (2 \times ((22 + 2) \times ((2^{2 \times (2+2)}) + 2))) - 2 \\
&:= ((3 \times (3 + 3))^3) + (((3^{3 \times 3}) - 33)/3) \\
&:= ((4 + 4 + 4) \times (((4 \times 4^4) + 4) + 4)) - ((4 + 4)/4) \\
&:= 5 + (((5 - 5/5) \times (5^5 - (((5 + 5)/5)^5))) + 5) \\
&:= 6 + (((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) - 6/6)) \\
&:= 7 + ((77/7) \times (((7777/7) + 7) + 7)) \\
&:= ((88 + 8) \times (8 \times (8 + 8) + 8/8)) - ((8 + 8)/8) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) - 9))) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12383 &:= 1 + ((111^{1+1}) + ((1 + (11^{1+1}))/ (1 + 1))) \\
&:= (2^{2+2+2}) + (((222/2)^2) - 2) \\
&:= ((3 + 3)^3) + ((3^3 - (3/3 + 3)^3)) \\
&:= ((4 + 4 + 4) \times (((4 \times 4^4) + 4) + 4)) - 4/4 \\
&:= (5 \times 5^5) - (((555 + 5)/5) + 5^5) + 5 \\
&:= (6 \times 66) + (((6 + 6 + 6) \times 666) - 6/6) \\
&:= (77 \times ((77 + 77) + 7)) - (7 + 7) \\
&:= ((88 + 8) \times (8 \times (8 + 8) + 8/8)) - 8/8 \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) - 9))) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12384 &:= (1 + 11) \times (11 + (((1 + 1)^{11-1}) - (1 + 1 + 1))) \\
&:= 2 \times ((22 + 2) \times ((2^{2 \times (2+2)}) + 2)) \\
&:= 3 \times ((33 \times ((3 - 3/3) + 3^3)) + 3) \\
&:= (4 + 4 + 4) \times (((4 \times 4^4) + 4) + 4) \\
&:= (5 - 5/5) \times ((5/5 - (5 \times 5 + 5)) + 5^5) \\
&:= (6 \times 66) + ((6 + 6 + 6) \times 666) \\
&:= 7 + (((7777/7)^{(7+7)/7}) + (7 \times 7) + 7) \\
&:= (88 + 8) \times (8 \times (8 + 8) + 8/8) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) - 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12385 &:= (111^{1+1}) + ((1 + 1)^{(1+1) \times (1+1+1)}) \\
&:= (2^{2+2+2}) + (((222/2)^2) \\
&:= 3 + (((3^{3 \times 3}) - 33)/3) + ((3 \times (3 + 3))^3) \\
&:= 4/4 + ((4 + 4 + 4) \times (((4 \times 4^4) + 4) + 4)) \\
&:= 5 + ((5 \times (55 \times (55 - (5 + 5)))) + 5) \\
&:= 6/6 + (((6 + 6 + 6) \times 666) + (6 \times 66)) \\
&:= (77 \times ((77 + 77) + 7)) - ((77 + 7)/7) \\
&:= 8 \times 8 + ((888/8)^{(8+8)/8}) \\
&:= 9/9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12386 &:= 11 \times (1 + (1 + (1 + (1 + 11 + 111)))) \\
&:= 2 + (2 \times ((22 + 2) \times ((2^{2 \times (2+2)}) + 2))) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + ((3 + 3)^3)) \\
&:= ((4 + 4)/4) + ((4 + 4 + 4) \times (((4 \times 4^4) + 4) + 4)) \\
&:= (55/5) + (5 \times (55 \times (55 - (5 + 5)))) \\
&:= 66 + (((666/6)^{(6+6)/6}) - 6/6) \\
&:= (77 \times ((77 + 77) + 7)) - (77/7) \\
&:= 8/8 + (((888/8)^{(8+8)/8}) + (8 \times 8)) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12387 &:= 111 + ((1 + 11) \times (((1 + 1)^{11-1}) - 1)) \\
&:= 2 + (((222/2)^2) + (2^{2+2+2})) \\
&:= 3 \times (((3/3 + 3)^{3+3}) + 33) \\
&:= 4 + (((4 + 4 + 4) \times (((4 \times 4^4) + 4) + 4)) - 4/4) \\
&:= (5 \times 5^5) - (((555 + 5) + 5)/5) + 5^5 \\
&:= 66 + (((666/6)^{(6+6)/6}) \\
&:= ((7 - 77)/7) + (77 \times ((77 + 77) + 7)) \\
&:= 88 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) + (88/8)) \\
&:= ((9 + 9 + 9)/9) + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12388 &:= 1 + (111 + ((1 + 11) \times (((1 + 1)^{11-1}) - 1))) \\
&:= 2 \times ((22 + 2) \times ((2^{2 \times (2+2)}) + 2)) + 2 \\
&:= 3/3 + (3 \times (((3/3 + 3)^{3+3}) + 33)) \\
&:= 4 + ((4 + 4 + 4) \times (((4 \times 4^4) + 4) + 4)) \\
&:= (5 \times 5^5) - (((555 + 5)/5) + 5^5) \\
&:= 66 + (((666/6)^{(6+6)/6}) + 6/6) \\
&:= (77 \times ((77 + 77) + 7)) - ((7 + 7)/7 + 7) \\
&:= 88 + ((8 \times (8 \times 8 \times (8 + 8 + 8))) + ((88 + 8)/8)) \\
&:= ((9 - 99)/(9 + 9)) + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12389 &:= ((1 + 1) \times 111) + ((1 + 11 + 11)^{1+1+1}) \\
&:= 222 + ((22 + 2/2)^{2/2+2}) \\
&:= ((3 \times (3 + 3))^3) + (((3^{3 \times 3}) - 3)/3) - 3 \\
&:= 4 + (((4 + 4 + 4) \times (((4 \times 4^4) + 4) + 4)) + 4/4) \\
&:= (5 \times 5^5) - ((555/5) + 5^5) \\
&:= (((6 \times 6) - 6/6) \times ((6 \times (66 - 6)) - 6)) - 6/6 \\
&:= (77 \times ((77 + 77) + 7)) - (7/7 + 7) \\
&:= ((88/8) \times ((8888/8) + 8) + 8) - 8 \\
&:= ((9 - (9 \times 9))/(9 + 9)) + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12390 &:= ((1 + 1 + 11)^{1+1}) + (11 \times 1111) \\
&:= 2 + (2 \times (((22 + 2) \times ((2^{2 \times (2+2)}) + 2)) + 2)) \\
&:= 3 + (3 \times (((3/3 + 3)^{3+3}) + 33)) \\
&:= ((4 \times 44) + 4/4) \times (((4^4 + 4 + 4)/4) + 4) \\
&:= (5 + 5) \times (((5^5 - 55) + 5^5)/5) \\
&:= ((6 \times 6) - 6/6) \times ((6 \times (66 - 6)) - 6) \\
&:= (77 \times ((77 + 77) + 7)) - 7 \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8/8)) - ((8 + 8)/8)) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) - 9))) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 12391 &:= 1 + (((1 + 1 + 11)^{1+1}) + (11 \times 1111)) \\ &:= 2 + (((22 + 2/2)^{2/2+2}) + 222) \\ &:= ((3 \times (3 + 3))^3) + (((3^{3 \times 3}) - (3 + 3))/3) \\ &:= 4 \times 4 + ((4444/4) + (4^4 \times 44)) \\ &:= ((5 - 5/5) \times (5^5 - ((5 \times 5) + 5/5))) - 5 \\ &:= 6/6 + (((6 \times 6) - 6/6) \times ((6 \times (66 - 6)) - 6)) \\ &:= 7/7 + ((77 \times ((77 + 77) + 7)) - 7) \\ &:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8/8)) - 8/8) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) - 9))) - ((9 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12392 &:= (111^{1+1}) + (((1 + 11)^{1+1})/(1 + 1)) - 1 \\ &:= 2 \times (((22 + 2) \times ((2^{2 \times (2+2)}) + 2)) + 2) + 2 \\ &:= ((3 \times (3 + 3))^3) + (((3^{3 \times 3}) - 3)/3) \\ &:= 4 + (((4 + 4 + 4) \times (((4 \times 4^4) + 4) + 4)) + 4) \\ &:= (5 - 5/5) \times ((5^5 - (((5 + 5)/5)^5)) + 5) \\ &:= (((66/6) + 6) \times ((6 \times 6/(6 + 6))^6)) - 6/6 \\ &:= ((7 + 7)/7) + ((77 \times ((77 + 77) + 7)) - 7) \\ &:= 8 + ((88 + 8) \times (8 \times (8 + 8) + 8/8)) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) - 9))) - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12393 &:= (111^{1+1}) + (((1 + 11)^{1+1})/(1 + 1)) \\ &:= (2 \times ((2 + 2 + 2)^2)) + ((222/2)^2) \\ &:= (3^{3+3}) \times ((33/3 + 3) + 3) \\ &:= ((4 \times 4) + 4/4) \times ((4 - 4/4)^{(4+4)/4+4}) \\ &:= ((5 - (5 + 5)/5)^5) \times ((5/5 - 5) + 55) \\ &:= (((66/6) + 6) \times ((6 \times 6/(6 + 6))^6)) \\ &:= 7 + ((77 \times ((77 + 77) + 7)) - (77/7)) \\ &:= 8 + (((888/8)^{(8+8)/8}) + (8 \times 8)) \\ &:= 9 \times (9 \times ((9 \times (9 + 9)) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12394 &:= 1 + ((111^{1+1}) + (((1 + 11)^{1+1})/(1 + 1))) \\ &:= 2 \times (((((2/2 + 2)^{2+2}) - 2)^2) - (2 \times 22)) \\ &:= ((3 \times (3 + 3))^3) + (((3^{3 \times 3}) + 3)/3) \\ &:= (4^4 \times (44 + 4)) + (((444 - 4)/4) - 4) \\ &:= 5 + ((5 \times 5^5) - ((555/5) + 5^5)) \\ &:= 6/6 + (((66/6) + 6) \times ((6 \times 6/(6 + 6))^6)) \\ &:= (77 \times ((77 + 77) + 7)) - ((7 + 7 + 7)/7) \\ &:= 8 + (((888/8)^{(8+8)/8}) + 8/8) + (8 \times 8) \\ &:= 9/9 + (9 \times (9 \times ((9 \times (9 + 9)) - 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12395 &:= ((1 + 1 + 11) \times 1111) - ((1 + 1)^{11}) \\ &:= 2 + ((2 \times ((2 + 2 + 2)^2)) + ((222/2)^2)) \\ &:= 3 + (((3^{3 \times 3}) - 3)/3) + ((3 \times (3 + 3))^3) \\ &:= 444/4 + ((4^4 \times (44 + 4)) - 4) \\ &:= ((5 - 5/5) \times (5^5 - (5 \times 5))) - 5 \\ &:= (6 - 6/6) \times (((6 \times 6) + 6/6) \times (66 + 6/6)) \\ &:= (77 \times ((77 + 77) + 7)) - ((7 + 7)/7) \\ &:= 88/8 + ((88 + 8) \times (8 \times (8 + 8) + 8/8)) \\ &:= ((9 + 9)/9) + (9 \times (9 \times ((9 \times (9 + 9)) - 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12396 &:= 111 + ((1 + 1 + 1) \times (((1 + 1)^{1+1+1}) - 1)) \\ &:= (2 + 2 + 2) \times (((2^{22/2}) + (2^{2+2})) + 2) \\ &:= 3 + (((3^{3 \times 3})/3) + ((3 \times (3 + 3))^3)) \\ &:= 44 + (((44 + 4) \times (4^4 - 4)) + 4^4) \\ &:= (5 - 5/5) \times (5^5 - ((5 \times 5) + 5/5)) \\ &:= 6 + (((6 \times 6) - 6/6) \times ((6 \times (66 - 6)) - 6)) \\ &:= (77 \times ((77 + 77) + 7)) - 7/7 \\ &:= ((88 + 8)/8) \times (((8 \times (8 \times (8 + 8))) + 8/8) + 8) \\ &:= ((9 + 9 + 9)/9) + (9 \times (9 \times ((9 \times (9 + 9)) - 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12397 &:= 11 \times (1111 + ((1 + 1)^{1+1+1+1})) \\ &:= (22/2) \times ((2222/2) + (2^{2+2})) \\ &:= 3 + (((3^{3 \times 3}) + 3)/3) + ((3 \times (3 + 3))^3) \\ &:= (44/4) \times ((4444/4) + 4 \times 4) \\ &:= 5 + ((5 - 5/5) \times ((5^5 - (((5 + 5)/5)^5)) + 5)) \\ &:= 6 + (((6 \times 6) - 6/6) \times ((6 \times (66 - 6)) - 6)) + 6/6 \\ &:= 77 \times ((77 + 77) + 7) \\ &:= (88/8) \times (((8888/8) + 8) + 8) \\ &:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times 99) - (99/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12398 &:= 111 + (((1 + 1 + 1) \times ((1 + 1)^{1+1+1}) - 1) \\ &:= ((2 + 2 + 2) \times ((2^{22/2}) + 22)) - 22 \\ &:= 3 + (((3^{3 \times 3}) - 3)/3) + ((3 \times (3 + 3))^3) + 3) \\ &:= (4^4 \times (44 + 4)) + ((444 - 4)/4) \\ &:= ((5 - 5/5) \times (5^5 - (5 \times 5))) - ((5 + 5)/5) \\ &:= 6 + (((66/6) + 6) \times ((6 \times 6/(6 + 6))^6)) - 6/6 \\ &:= 7/7 + (77 \times ((77 + 77) + 7)) \\ &:= ((888 - 8)/8) + (8 \times (8 \times 8 \times (8 + 8 + 8))) \\ &:= ((9 \times 9 + 9)/(9 + 9)) + (9 \times (9 \times ((9 \times (9 + 9)) - 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12399 &:= 111 + ((1 + 1 + 1) \times ((1 + 1)^{1+1+1})) \\ &:= (222/2) + ((2 + 2 + 2) \times (2^{22/2})) \\ &:= 3 + (((3^{3 \times 3})/3) + ((3 \times (3 + 3))^3) + 3) \\ &:= 444/4 + (4^4 \times (44 + 4)) \\ &:= ((5 - 5/5) \times (5^5 - (5 \times 5))) - 5/5 \\ &:= 6 + (((66/6) + 6) \times ((6 \times 6/(6 + 6))^6)) \\ &:= ((7 + 7)/7) + (77 \times ((77 + 77) + 7)) \\ &:= (888/8) + (8 \times (8 \times 8 \times (8 + 8 + 8))) \\ &:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) - ((9 + 9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12400 &:= ((1 + 111)^{1+1}) - ((1 + 11)^{1+1}) \\ &:= (22 - 2) \times (((22 + 2)^2) + 2 \times 22) \\ &:= 3 + (((3^{3 \times 3}) + 3)/3) + ((3 \times (3 + 3))^3) + 3) \\ &:= 4^4 + (44 \times (((4 \times 4) + 4^4) + 4)) \\ &:= (5 - 5/5) \times (5^5 - (5 \times 5)) \\ &:= 6 + (((66/6) + 6) \times ((6 \times 6/(6 + 6))^6)) + 6/6 \\ &:= ((7 + 7 + 7)/7) + (77 \times ((77 + 77) + 7)) \\ &:= (8 + 8) \times (((8 \times (88 + 8)) - 8/8) + 8) \\ &:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) - ((9 + 9)/9)) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12401 &:= 1 + (((1 + 111)^{1+1}) - ((1 + 11)^{1+1})) \\
&:= (222/2)^2 + (2 \times (2 \times (22 - 2))) \\
&:= 3 \times 3 + (((3^3 \times 3) - 3)/3) + ((3 \times (3 + 3))^3) \\
&:= (((44 - 4)/4)^4) + (((4 - 4/4) + 4)^4) \\
&:= 5/5 + ((5 - 5/5) \times (5^5 - (5 \times 5))) \\
&:= (6 \times 6 \times 6 \times 6) + (66666/6 - 6) \\
&:= (77/7) + ((77 \times ((77 + 77) + 7)) - 7) \\
&:= 88 + (((888/8)^{(8+8)/8}) - 8) \\
&:= 9 + (9 \times (9 \times ((9 \times (9 + 9)) - 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12402 &:= (111^{1+1}) + ((11 - 1 - 1)^{1+1}) \\
&:= (222/2)^2 + ((2/2 + 2)^{2+2}) \\
&:= ((3 \times 3^3) - 3) \times (((3 + 3) \times 3^3) - 3) \\
&:= 4 + ((4^4 \times (44 + 4)) + ((444 - 4)/4)) \\
&:= ((5 + 5)/5) + ((5 - 5/5) \times (5^5 - (5 \times 5))) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((6 \times (66 - 6)) - 6)) + 6 \\
&:= 7 + ((77 \times ((77 + 77) + 7)) - ((7 + 7)/7)) \\
&:= 8/8 + (((888/8)^{(8+8)/8}) - 8) + 88 \\
&:= 9 + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12403 &:= 1 + ((111^{1+1}) + ((11 - 1 - 1)^{1+1})) \\
&:= 2 + (((222/2)^2) + (2 \times (2 \times (22 - 2)))) \\
&:= 3 \times 3 + (((3^3 \times 3) + 3)/3) + ((3 \times (3 + 3))^3) \\
&:= 4 + ((4^4 \times (44 + 4)) + (444/4)) \\
&:= 5 + (((5 - 5/5) \times (5^5 - (5 \times 5))) - ((5 + 5)/5)) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((6 \times (66 - 6)) - 6)) + 6/6 + 6 \\
&:= 7 + ((77 \times ((77 + 77) + 7)) - 7/7) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8/8)) + (88/8)) \\
&:= 9 + (9 \times (9 \times ((9 \times (9 + 9)) - 9))) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12404 &:= 1 + (1 + ((111^{1+1}) + ((11 - 1 - 1)^{1+1}))) \\
&:= (2^{2+2} - 2) \times ((2 \times 2 \times 222) - 2) \\
&:= ((3 \times (3 + 3))^3) + (((3^3 \times 3) + 33)/3) \\
&:= (44 - 4 \times 4) \times (444 - 4/4) \\
&:= (5 - 5/5) \times ((5/5 - (5 \times 5)) + 5^5) \\
&:= (66/6) + (((66/6) + 6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= 7 + (77 \times ((77 + 77) + 7)) \\
&:= ((8 - ((8 + 8)/8)) + 8) \times (888 - ((8 + 8)/8)) \\
&:= (99/9) + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12405 &:= 111 + ((1 + 1) \times ((1 + 1 + 1) \times (1 + ((1 + 1)^{1+1})))) \\
&:= (222/2)^2 + (2 \times (2 \times 22 - 2)) \\
&:= 3 + (((3 \times 3^3) - 3) \times (((3 + 3) \times 3^3) - 3)) \\
&:= 4 + (((44 - 4)/4)^4) + (((4 - 4/4) + 4)^4) \\
&:= 5 + ((5 - 5/5) \times (5^5 - (5 \times 5))) \\
&:= 6 + (((66/6) + 6) \times ((6 \times 6/(6 + 6))^6)) + 6 \\
&:= 7 + ((77 \times ((77 + 77) + 7)) + 7/7) \\
&:= ((8 + 8) \times ((8 \times (88 + 8)) + 8)) - (88/8) \\
&:= ((99 + 9)/9) + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12406 &:= (11^{1+1}) + ((1 + 1 + 1) \times (((1 + 1)^{1+1}) - 1)) \\
&:= (22 \times (((22 + 2)^2) - 2)) - 222 \\
&:= 3 + (((3 \times 3^3) - 3) \times (((3 + 3) \times 3^3) - 3)) + 3/3 \\
&:= 4 + (((4^4 \times (44 + 4)) + ((444 - 4)/4)) + 4) \\
&:= 5 + (((5 - 5/5) \times (5^5 - (5 \times 5))) + 5/5) \\
&:= (6 \times 6 \times 6 \times 6) + (66666/6 - 6/6) \\
&:= 7 + ((77 \times ((77 + 77) + 7)) + (7 + 7)/7) \\
&:= ((8 - 88)/8) + ((8 + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= ((99 + 9 + 9)/9) + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12407 &:= (11 \times (11 \times 111)) - ((1 + 1)^{1+1}) \\
&:= (2 \times 2 \times 22) + (((222/2)^2) - 2) \\
&:= 3 + (((3^3 \times 3) + 33)/3) + ((3 \times (3 + 3))^3) \\
&:= 4 + (((4^4 \times (44 + 4)) + (444/4)) + 4) \\
&:= 5 + (((5 - 5/5) \times (5^5 - (5 \times 5))) + ((5 + 5)/5)) \\
&:= (6 \times 6 \times 6 \times 6) + (66666/6) \\
&:= ((77 - 7)/7) + (77 \times ((77 + 77) + 7)) \\
&:= ((8 + 8) \times ((8 \times (88 + 8)) + 8)) - (8/8 + 8) \\
&:= ((9 + 9) \times ((9 \times 9) - 9)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12408 &:= (1 + 11) \times (11 + (((1 + 1)^{1+1}) - 1)) \\
&:= 22 \times ((2 \times (2 \times (22 - 2))) + 22^2) \\
&:= 33 \times (((3/3 + 3 + 3)^3) + 33) \\
&:= (4 - 4/4) \times (((4 + 4)^4) - 4) + 44 \\
&:= (5 - 5/5) \times (((5 + 5)/5) - (5 \times 5)) + 5^5 \\
&:= 66 \times (((6 \times (6 \times 6 - 6)) + ((6 + 6)/6)) + 6) \\
&:= (77/7) + (77 \times ((77 + 77) + 7)) \\
&:= ((8 + 8) \times ((8 \times (88 + 8)) + 8)) - 8 \\
&:= (99/9) \times (((9999 - 9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12409 &:= 1 + ((1 + 11) \times (11 + (((1 + 1)^{1+1}) - 1))) \\
&:= (2 \times 2 \times 22) + ((222/2)^2) \\
&:= 3/3 + (33 \times (((3/3 + 3 + 3)^3) + 33)) \\
&:= 44 + (((444/4)^{(4+4)/4}) + 44) \\
&:= 5 + ((5 - 5/5) \times ((5/5 - (5 \times 5)) + 5^5)) \\
&:= 6/6 + (66 \times (((6 \times (6 \times 6 - 6)) + ((6 + 6)/6)) + 6)) \\
&:= (((7 + 7)/7)^7) \times ((7 \times (7 + 7)) - 7/7) - 7 \\
&:= 88 + (((888/8)^{(8+8)/8}) \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) - 9))) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12410 &:= (111 \times (1 + 111)) - (11 + 11) \\
&:= 2 + (22 \times ((2 \times (2 \times (22 - 2))) + 22^2)) \\
&:= (3 \times (3 \times 3^3)) + ((3^3 - (3/3 + 3))^3) \\
&:= (4^4 \times (44 + 4)) + ((444 + 44)/4) \\
&:= 5 + (((5 - 5/5) \times (5^5 - (5 \times 5))) + 5) \\
&:= ((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) + 6/6) \\
&:= 7 + (((77 \times ((77 + 77) + 7)) - 7/7) + 7) \\
&:= 8/8 + (((888/8)^{(8+8)/8}) + 88) \\
&:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12411 &:= 1 + ((111 \times (1 + 111)) - (11 + 11)) \\
&:= 2 + (((222/2)^2) + (2 \times 2 \times 22)) \\
&:= 3 + (33 \times (((3/3 + 3 + 3)^3) + 33)) \\
&:= 444 + ((44 \times ((4 \times 4) + 4^4)) - 4/4) \\
&:= (55/5) + ((5 - 5/5) \times (5^5 - (5 \times 5))) \\
&:= 6 + (((((66/6) + 6) \times ((6 \times 6/(6 + 6))^6)) + 6) + 6) \\
&:= 7 + ((77 \times ((77 + 77) + 7)) + 7) \\
&:= 88 + (((888/8)^{(8+8)/8}) + ((8 + 8)/8)) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12412 &:= ((1 + 111)^{1+1}) - (11 \times (1 + 11)) \\
&:= (22^{2/2+2}) + ((2 \times 22 - 2)^2) \\
&:= ((3^3 - 3)^3) - (((33/3)^3) + (3 \times 3^3)) \\
&:= 444 + (44 \times ((4 \times 4) + 4^4)) \\
&:= (5 - 5/5) \times (5^5 - ((55 + 55)/5)) \\
&:= (((((6 + 6)/6)^6) - 6) \times ((6 \times 6 \times 6) - ((6 + 6)/6))) \\
&:= 7 + (((77 \times ((77 + 77) + 7)) + 7/7) + 7) \\
&:= ((8 + 8) \times ((8 \times (88 + 8)) + 8)) - (8 \times 8/(8 + 8)) \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12413 &:= 1 + (((1 + 111)^{1+1}) - (11 \times (1 + 11))) \\
&:= (222/2)^2 + (2 \times (2 \times 22 + 2)) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + (3 \times (3 \times 3^3))) \\
&:= 44 + ((4^4 \times (44 + 4)) + ((4 - 4/4)^4)) \\
&:= 5 + ((5 - 5/5) \times (((5 + 5)/5) - (5 \times 5) + 5^5)) \\
&:= 6 + (66666/6 + (6 \times 6 \times 6 \times 6)) \\
&:= 7 + (((77 \times ((77 + 77) + 7)) + ((7 + 7)/7)) + 7) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) - 88/8) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12414 &:= 1 + (1 + (((1 + 111)^{1+1}) - (11 \times (1 + 11)))) \\
&:= 2 + ((22^{2/2+2}) + ((2 \times 22 - 2)^2)) \\
&:= 3 \times (((3/3 + 3)^{3+3}) + 3 \times 3) + 33 \\
&:= (4 - 4/4) \times (((4 + 4)^4) - ((4 + 4)/4)) + 44 \\
&:= (5 \times (5^5 + 5)) - ((555/5) + 5^5) \\
&:= ((6 \times 6 - 6) \times (((6 \times 66) + 6) + 6) + 6) - 6 \\
&:= (7 - 7/7) \times ((7 \times (7 \times ((7 \times 7) - 7))) + (77/7)) \\
&:= ((8 + 8) \times ((8 \times (88 + 8)) + 8)) - ((8 + 8)/8) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12415 &:= ((111 - (1 + 1)) \times (1 + (1 + (1 + 111)))) - 11 \\
&:= 2 + (((222/2)^2) + (2 \times (2 \times 22 + 2))) \\
&:= 3 + (((3^3 - 3)^3) - (((33/3)^3) + (3 \times 3^3))) \\
&:= ((4^4 + 4)/4) \times (4^4 - ((4^4 + 4)/4)) \\
&:= (5 \times (5^5 - 5)) - ((55 + 5^5) + 5) \\
&:= (6/6 - 66) \times ((6 \times (6 - 6 \times 6)) - (66/6)) \\
&:= 7 + ((77 \times ((77 + 77) + 7)) + (77/7)) \\
&:= ((8 + 8) \times ((8 \times (88 + 8)) + 8)) - 8/8 \\
&:= ((99 + 99)/9) + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12416 &:= ((1 + 1)^{11}) + (((1 + 11)^{1+1+1+1})/(1 + 1)) \\
&:= (2^{2+2+2}) \times (((2^{2+2} - 2)^2) - 2) \\
&:= 33 + (((3^3 - (3/3 + 3))^3) + ((3 + 3)^3)) \\
&:= 4 \times ((4 \times ((4 - 4^4) + 4)) + ((4 + 4)^4)) \\
&:= (5 - 5/5) \times ((5^5 - ((5 \times 5) + 5/5)) + 5) \\
&:= 6 + (((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) + 6/6)) \\
&:= (((7 + 7)/7)^7) \times ((7 \times (7 + 7)) - 7/7) \\
&:= (8 + 8) \times ((8 \times (88 + 8)) + 8) \\
&:= 9 + ((99999/9) + ((9 + 9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12417 &:= (111^{1+1}) + ((1 + 11) \times ((1 + 1)^{1+1+1})) \\
&:= (222/2)^2 + (2 \times (2 \times (22 + 2))) \\
&:= ((3^3 + 3) \times ((3 \times 3^3) + 333)) - 3 \\
&:= (4 - 4/4) \times (((4 + 4)^4) - 4/4 + 44) \\
&:= (((5 + 5)/5) \times (((5/5 + 5)^5) - 5)) - 5^5 \\
&:= 6 \times 6 + (((666/6)^{(6+6)/6}) - 6) + 66 \\
&:= 7/7 + (((7 + 7)/7)^7) \times ((7 \times (7 + 7)) - 7/7) \\
&:= 8/8 + ((8 + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= 9 + ((99/9) \times (((9999 - 9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12418 &:= (111 \times (1 + 111)) - (1 + 1 + 1 + 11) \\
&:= ((2 + 2 + 2) \times ((2^{22/2}) + 22)) - 2 \\
&:= (33/3 + 3) \times ((33 \times 3^3) - (3/3 + 3)) \\
&:= ((4 - 4/4) + 4) \times ((4 \times 444) - ((4 + 4)/4)) \\
&:= (5 \times (5^5 - 5)) - (((5 + 5)/5) + 55) + 5^5 \\
&:= 6 + (((((6 + 6)/6)^6) - 6) \times ((6 \times 6 \times 6) - ((6 + 6)/6))) \\
&:= 7 + (((77 \times ((77 + 77) + 7)) + 7) + 7) \\
&:= ((8 + 8)/8) + ((8 + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times 99) - 9) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12419 &:= 11 \times (((11 - 1) \times (1 + (1 + 111)))) - 1 \\
&:= ((22/2)^{2+2}) - 2222 \\
&:= ((33/3)^3) + (33 \times (333 + 3)) \\
&:= ((4 - 4/4) \times (((4 + 4)^4) + 44)) - 4/4 \\
&:= (5 \times (5^5 - 5)) - ((55 + 5^5) + 5/5) \\
&:= (66/6) \times (((6666/6) + 6) + 6) + 6 \\
&:= (7 \times (7 + 7)) + ((777/7)^{(7+7)/7}) \\
&:= 88/8 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) - 8) \\
&:= 9 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12420 &:= (1 + 11) \times (11 + ((1 + 1)^{11-1})) \\
&:= (2 + 2 + 2) \times ((2^{22/2}) + 22) \\
&:= (3^3 + 3) \times ((3 \times 3^3) + 333) \\
&:= (4 - 4/4) \times (((4 + 4)^4) + 44) \\
&:= (5 - 5/5) \times ((5^5 - (5 \times 5)) + 5) \\
&:= (6 \times 6 - 6) \times (((6 \times 66) + 6) + 6) + 6 \\
&:= (((7 + 7)/7)^7) + 7 \times (((7/7 + 77) + 7) + 7) \\
&:= (8 \times 8/(8 + 8)) + ((8 + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12421 &:= (111 \times (1 + 111)) - 11 \\
&:= 2 + (((22/2)^{2+2}) - 2222) \\
&:= 3^3 + (((3^3 \times 3) + 3)/3) + ((3 \times (3 + 3))^3) \\
&:= 4/4 + ((4 - 4/4) \times (((4 + 4)^4) + 44)) \\
&:= 5/5 + ((5 - 5/5) \times ((5^5 - (5 \times 5)) + 5)) \\
&:= 6/6 + ((6 \times 6 - 6) \times (((6 \times 66) + 6) + 6) + 6) \\
&:= (777 \times (((7 + 7)/7 + 7) + 7)) - (77/7) \\
&:= (888 \times ((8 - ((8 + 8)/8)) + 8)) - (88/8) \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12422 &:= 1 + ((111 \times (1 + 111)) - 11) \\
&:= 2 + ((2 + 2 + 2) \times ((2^{22/2}) + 22)) \\
&:= 3 + ((33 \times (333 + 3)) + ((33/3)^3)) \\
&:= ((4 + 4)/4) + ((4 - 4/4) \times (((4 + 4)^4) + 44)) \\
&:= (((5 + 5)/5) \times ((5/5 + 5)^5)) - (5^5 + 5) \\
&:= ((6 + 6)/6) + ((6 \times 6 - 6) \times (((6 \times 66) + 6) + 6) + 6) \\
&:= 7 + (((77 \times ((77 + 77) + 7)) + (77/7)) + 7) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) - ((8 + 8)/8)) \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12423 &:= ((1 + 111)^{1+1}) - (11^{1+1}) \\
&:= (((222 + 2)/2)^2) - ((22/2)^2) \\
&:= 3 + ((3^3 + 3) \times ((3 \times 3^3) + 333)) \\
&:= (4 - 4/4) \times (((4 + 4)^4) + 44) + 4/4 \\
&:= ((5 - 5/5) \times (5^5 - 5)) - (((5 + 5)/5) + 55) \\
&:= 6 \times 6 + (((666/6)^{6+6/6}) + 66) \\
&:= 7 + (((7 + 7)/7)^7) \times ((7 \times (7 + 7)) - 7/7) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) - 8/8) \\
&:= ((999/9) \times ((999 + 9)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12424 &:= 1 + (((1 + 111)^{1+1}) - (11^{1+1})) \\
&:= 2 \times (2 \times ((222 \times (2^{2+2} - 2)) - 2)) \\
&:= 3 + (((3^3 + 3) \times ((3 \times 3^3) + 333)) + 3/3) \\
&:= 4 + ((4 - 4/4) \times (((4 + 4)^4) + 44)) \\
&:= (5 - 5/5) \times (((5/5 - (5 \times 5)) + 5^5) + 5) \\
&:= (6 \times (6 - 666)) + ((6 - ((6 + 6)/6))^{6/6+6}) \\
&:= (7/7 + 7) \times (((7 + 7) \times 777) - 7/7) \\
&:= 8 + ((8 + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + ((99 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12425 &:= 1 + (1 + (((1 + 111)^{1+1}) - (11^{1+1}))) \\
&:= 2 + (((222 + 2)/2)^2) - ((22/2)^2) \\
&:= 33 + (((3^3 \times 3) - 3)/3) + ((3 \times (3 + 3))^3) \\
&:= ((4 - 4/4) + 4) \times ((4 \times 444) - 4/4) \\
&:= ((5 - 5/5) \times (5^5 - 5)) - 55 \\
&:= ((6 \times 6) - 6/6) \times (((6 \times (66 - 6)) - 6) + 6/6) \\
&:= 77 + (7 \times ((7 + 7) \times (77 + 7 \times 7))) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) + 8/8) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times 99) - 9) + ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12426 &:= (111 - (1 + 1)) \times (1 + (1 + (1 + 111))) \\
&:= 2 + (2 \times (2 \times ((222 \times (2^{2+2} - 2)) - 2))) \\
&:= 33 + (((3^3 \times 3)/3) + ((3 \times (3 + 3))^3)) \\
&:= (4 - 4/4) \times (((4 + 4)^4) + ((4 + 4)/4) + 44) \\
&:= 5/5 + (((5 - 5/5) \times (5^5 - 5)) - 55) \\
&:= 6 + ((6 \times 6 - 6) \times (((6 \times 66) + 6) + 6) + 6) \\
&:= 7 + (((777/7)^{(7+7)/7}) + (7 \times (7 + 7))) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) + ((8 + 8)/8)) \\
&:= ((9/9 + 99) + 9) \times (((999 + 9) + 9) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12427 &:= 1 + ((111 - (1 + 1)) \times (1 + (1 + (1 + 111)))) \\
&:= ((2 \times 22) - 2/2) \times (((2^{2+2}) + 2/2)^2) \\
&:= 33 + (((3^3 \times 3) + 3)/3) + ((3 \times (3 + 3))^3) \\
&:= (444 \times (44 - 4 \times 4)) - (4/4 + 4) \\
&:= (((5 + 5)/5) \times ((5/5 + 5)^5)) - 5^5 \\
&:= ((66/6) + 6) \times (((66 \times 66) - 6)/6) + 6 \\
&:= 7 + (((7 + 7)/7)^7) \times ((7/7 + 77) + 7) + 7 \\
&:= 88/8 + ((8 + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12428 &:= (111 \times (1 + 111)) - (1 + 1 + 1 + 1) \\
&:= 2 \times ((2 \times (222 \times (2^{2+2} - 2))) - 2) \\
&:= 3 + (((3^3 \times 3) - 3)/3) + ((3 \times (3 + 3))^3) + 33 \\
&:= (444 \times (44 - 4 \times 4)) - 4 \\
&:= 5/5 + (((5 + 5)/5) \times ((5/5 + 5)^5)) - 5^5 \\
&:= 6 + (((6 \times 6 - 6) \times (((6 \times 66) + 6) + 6) + 6) + ((6 + 6)/6)) \\
&:= 7 + ((777 \times ((7 + 7)/7 + 7) + 7) - (77/7)) \\
&:= ((88 + 8)/8) + ((8 + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= 9 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12429 &:= (111 \times (1 + 111)) - (1 + 1 + 1) \\
&:= (222/2)^2 + (((222 - 2)/2) - 2) \\
&:= 3 \times ((3^3 \times (3^3 + 3)) + 3333) \\
&:= 4/4 + ((444 \times (44 - 4 \times 4)) - 4) \\
&:= ((5 - 5/5) \times ((5/5 - 5) + 5^5)) - 55 \\
&:= 6 \times 6 + (((66/6) + 6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= ((7777 - 7)/7) + (7 \times (77 \times (7 + 7 + 7))) \\
&:= 8 + ((888 \times ((8 - ((8 + 8)/8)) + 8)) - 88/8) \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12430 &:= (111 - 1) \times (1 + (1 + 111)) \\
&:= 22 \times (((22 + 2)^2) - (22/2)) \\
&:= ((333 - 3)/3) \times (((333 - 3)/3) + 3) \\
&:= (444 \times (44 - 4 \times 4)) - ((4 + 4)/4) \\
&:= 5 + (((5 - 5/5) \times (5^5 - 5)) - 55) \\
&:= ((666 - 6)/6) \times (((666 + 6) + 6)/6) \\
&:= 7 + (((7 + 7)/7)^7) \times ((7 \times (7 + 7)) - 7/7) + 7 \\
&:= ((8 + 8)/8) \times (((8 - 8/8) \times 888) - 8/8) \\
&:= (99/9) \times (((9999 + 9)/9) + 9) + 9
\end{aligned}$$

- **12431** := $(111 \times (1 + 111)) - 1$
:= $(222/2)^2 + ((222 - 2)/2)$
:= $((33/3 + 3) \times ((33 \times 3^3) - 3)) - 3/3$
:= $(444 \times (44 - 4 \times 4)) - 4/4$
:= $((5 - 5/5) \times (5^5 - (55/5))) - (5 \times 5)$
:= $((6 \times 6 - 6) + 6/6) \times (((6 \times 66) - 6/6) + 6)$
:= $(777 \times (((7 + 7)/7 + 7) + 7)) - 7/7$
:= $(888 \times ((8 - ((8 + 8)/8)) + 8)) - 8/8$
:= $((999/9) \times ((999 + 9)/9)) - 9/9$
- **12432** := $111 \times (1 + 111)$
:= $2 \times (2 \times (222 \times (2^{2+2} - 2)))$
:= $(33/3 + 3) \times ((33 \times 3^3) - 3)$
:= $444 \times (44 - 4 \times 4)$
:= $(555/5) \times ((555 + 5)/5)$
:= $(666/6) \times ((666 + 6)/6)$
:= $777 \times (((7 + 7)/7 + 7) + 7)$
:= $888 \times ((8 - ((8 + 8)/8)) + 8)$
:= $(999/9) \times ((999 + 9)/9)$
- **12433** := $1 + (111 \times (1 + 111))$
:= $(222/2)^2 + ((222 + 2)/2)$
:= $3/3 + ((33/3 + 3) \times ((33 \times 3^3) - 3))$
:= $4/4 + (444 \times (44 - 4 \times 4))$
:= $5/5 + ((555/5) \times ((555 + 5)/5))$
:= $6/6 + ((666/6) \times ((666 + 6)/6))$
:= $7/7 + (777 \times (((7 + 7)/7 + 7) + 7))$
:= $8/8 + (888 \times ((8 - ((8 + 8)/8)) + 8))$
:= $9/9 + ((999/9) \times ((999 + 9)/9))$
- **12434** := $1 + (1 + (111 \times (1 + 111)))$
:= $2 + (((222/2)^2) + 222/2)$
:= $3 + (((33/3 + 3) \times ((33 \times 3^3) - 3)) - 3/3)$
:= $((4 + 4)/4) + (444 \times (44 - 4 \times 4))$
:= $(5 \times 5^5) - (((55/5) + 55) + 5^5)$
:= $((6 + 6)/6) + ((666/6) \times ((666 + 6)/6))$
:= $((7 + 7)/7) + (777 \times (((7 + 7)/7 + 7) + 7))$
:= $((8 + 8)/8) + (888 \times ((8 - ((8 + 8)/8)) + 8))$
:= $((9 + 9)/9) + ((999/9) \times ((999 + 9)/9))$
- **12435** := $1 + (1 + (1 + (111 \times (1 + 111))))$
:= $2 + (((222/2)^2) + ((222 + 2)/2))$
:= $3 + ((33/3 + 3) \times ((33 \times 3^3) - 3))$
:= $4 + ((444 \times (44 - 4 \times 4)) - 4/4)$
:= $(5 \times 5^5) - (((55 + 5^5) + 5) + 5)$
:= $(6 - 6/6) \times ((666/6) + (6 \times (6 \times 66)))$
:= $((7 + 7) \times ((7 \times (77 + 7 \times 7) + 7)) - (77/7))$
:= $8 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) + (88/8))$
:= $((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + 9) - (999/9)$
- **12436** := $1 + (1 + (1 + (1 + (111 \times (1 + 111))))))$
:= $2 \times ((2 \times (222 \times (2^{2+2} - 2))) + 2)$
:= $3 + (((33/3 + 3) \times ((33 \times 3^3) - 3)) + 3/3)$
:= $4 + (444 \times (44 - 4 \times 4))$
:= $(5 - 5/5) \times (5^5 - (55/5 + 5))$
:= $6 + (((666 - 6)/6) \times (((666 + 6) + 6)/6))$
:= $77 + ((7 \times ((7 + 7) \times (77 + 7 \times 7))) + (77/7))$
:= $8 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) + ((88 + 8)/8))$
:= $9 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9)))$
- **12437** := $1 + (1 + (1 + (1 + (1 + (111 \times (1 + 111))))))$
:= $2 + (((222/2)^2) + ((222 + 2)/2) + 2)$
:= $((3 + 3)^3) + ((33/3) \times (3333/3))$
:= $4 + ((444 \times (44 - 4 \times 4)) + 4/4)$
:= $5 + ((555/5) \times ((555 + 5)/5))$
:= $6 \times 6 \times 6 + ((66/6) \times (6666/6))$
:= $7 + ((((((7 + 7)/7)^7) \times ((7 \times (7 + 7)) - 7/7)) + 7) + 7)$
:= $(8 \times (8 + 8)) + ((88/8) \times ((8888/8) + 8))$
:= $9 + (((((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + 9/9)) + 9) + 9)$
- **12438** := $((1 + 1) \times (1 + 1 + 1)) + (111 \times (1 + 111))$
:= $2 \times (((((2/2 + 2)^{2+2}) - 2)^2) - 22)$
:= $3 \times ((3 \times ((33 \times (3 \times 3 + 33)) - 3)) - 3)$
:= $4 + ((444 \times (44 - 4 \times 4)) + ((4 + 4)/4))$
:= $(5 \times 5^5) + (((5 - (5^5/5))/(5 + 5)) - 5^5)$
:= $6 + ((666/6) \times ((666 + 6)/6))$
:= $7 + ((777 \times (((7 + 7)/7 + 7) + 7)) - 7/7)$
:= $((8 - ((8 + 8)/8)) + 8) \times (888 + 8/8) - 8$
:= $9 + (((((9 \times (9 \times (9 \times (9 + 9)) - 9))) + 9) + 9) + 9) + 9)$
- **12439** := $(11^{1+1}) + ((111^{1+1}) - (1 + 1 + 1))$
:= $22 + (((222/2)^2) + (2 \times (2 \times (22 + 2))))$
:= $((33/3)^3) + ((33333/3) - 3)$
:= $((4 - 4/4) + 4) \times ((4 \times 444) + 4/4)$
:= $(5 \times 5^5) - (((55 + 5^5) + 5/5) + 5)$
:= $(6/6 + 6) \times ((6666/6) + 666)$
:= $7 + (777 \times (((7 + 7)/7 + 7) + 7))$
:= $(8 - 8/8) \times (((8 + 8) \times 888) + 8/8)$
:= $((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - (((9 + 9)/9)^9) + 9)$
- **12440** := $(11 - 1) \times (1 + (11 \times (1 + (1 + 111))))$
:= $2 \times (2 \times ((222 \times (2^{2+2} - 2)) + 2))$
:= $3 + (((33/3) \times (3333/3)) + ((3 + 3)^3))$
:= $4 + ((444 \times (44 - 4 \times 4)) + 4)$
:= $(5 - 5/5) \times (5^5 - (5 + 5 + 5))$
:= $(6 - 6/6) \times (((666 + 6)/6) + (6 \times (6 \times 66)))$
:= $(7/7 + 7) \times (((7 + 7) \times 777) + 7/7)$
:= $8 + (888 \times ((8 - ((8 + 8)/8)) + 8))$
:= $9 + (((999/9) \times ((999 + 9)/9)) - 9/9)$

$$\begin{aligned}
\blacktriangleright 12441 &:= (11^{1+1}) + ((111^{1+1}) - 1) \\
&:= 22 + (((22/2)^{2+2}) - 2222) \\
&:= 33 \times (((33/3) \times (3/3 + 33)) + 3) \\
&:= 4 + (((444 \times (44 - 4 \times 4)) + 4/4) + 4) \\
&:= ((5 - 5/5) \times (5^5 - 5/5)) - 55 \\
&:= 6 + ((6 - 6/6) \times ((666/6) + (6 \times (6 \times 66)))) \\
&:= (((7 + 7)/7 + 7) + 7) \times (777 + 7/7) - 7 \\
&:= 8 + ((888 \times ((8 - ((8 + 8)/8)) + 8)) + 8/8) \\
&:= 9 + ((999/9) \times ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12442 &:= (11^{1+1}) + (111^{1+1}) \\
&:= ((22/2)^2) + ((222/2)^2) \\
&:= ((33/3)^3) + (33333/3) \\
&:= ((44 - 4)/4) + (444 \times (44 - 4 \times 4)) \\
&:= 5 + (((555/5) \times ((555 + 5)/5)) + 5) \\
&:= (((666 + 6)/6)^{(6+6)/6}) - (6 \times 6 + 66) \\
&:= 7 + (((7 + 7) \times ((7 \times (77 + 7 \times 7)) + 7)) - (77/7)) \\
&:= 8 + ((888 \times ((8 - ((8 + 8)/8)) + 8)) + ((8 + 8)/8)) \\
&:= 9 + (((999/9) \times ((999 + 9)/9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12443 &:= 11 + (111 \times (1 + 111)) \\
&:= 2/2 + (((222/2)^2) + ((22/2)^2)) \\
&:= ((3/3 + 33) \times (333 + 33)) - 3/3 \\
&:= (44/4) + (444 \times (44 - 4 \times 4)) \\
&:= (5 \times 5^5) - (((5 + 5)/5) + 55) + 5^5 \\
&:= (6 \times (6 \times 6 \times 6 + 6)) + (66666/6) \\
&:= (7 \times 7 \times 7) + (((777 - 7)/7)^{(7+7)/7}) \\
&:= 88/8 + (888 \times ((8 - ((8 + 8)/8)) + 8)) \\
&:= (99/9) + ((999/9) \times ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12444 &:= 1 + (11 + (111 \times (1 + 111))) \\
&:= 2 + (((222/2)^2) + ((22/2)^2)) \\
&:= (3/3 + 33) \times (333 + 33) \\
&:= 4 + (((444 \times (44 - 4 \times 4)) + 4) + 4) \\
&:= (5 \times 5^5) - ((55 + 5^5) + 5/5) \\
&:= ((66/6) + 6) \times (666 + 66) \\
&:= ((7 + 7) \times ((7 \times (77 + 7 \times 7)) + 7)) - ((7 + 7)/7) \\
&:= ((88 + 8)/8) + (888 \times ((8 - ((8 + 8)/8)) + 8)) \\
&:= ((9 - 9/9) + 9) \times (((9 + 9 + 9)/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12445 &:= 1 + (1 + (11 + (111 \times (1 + 111)))) \\
&:= (222/2)^2 + (2 \times ((2^{2+2+2}) - 2)) \\
&:= 3 + ((33333/3) + ((33/3)^3)) \\
&:= (4/4 + 4) \times ((4 \times ((4/4 + 4)^4)) - 44/4) \\
&:= (5 \times 5^5) - (55 + 5^5) \\
&:= 6/6 + (((66/6) + 6) \times (666 + 66)) \\
&:= ((7 + 7) \times ((7 \times (77 + 7 \times 7)) + 7)) - 7/7 \\
&:= ((88/8) + 8) \times (((8 \times (88 - 8)) - 8/8) + 8) + 8 \\
&:= (((999 + 9)/9)^{(9+9)/9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12446 &:= 1 + (1 + (1 + (11 + (111 \times (1 + 111)))))) \\
&:= 2 + (((222/2)^2) + ((22/2)^2)) + 2 \\
&:= (33/3 + 3) \times (((33 \times 3^3) - 3) + 3/3) \\
&:= ((44 + 4/4) + 4) \times (4^4 - (4 + 4)/4) \\
&:= 5/5 + ((5 \times 5^5) - (55 + 5^5)) \\
&:= ((6 + 6)/6) + (((66/6) + 6) \times (666 + 66)) \\
&:= (7 + 7) \times ((7 \times (77 + 7 \times 7)) + 7) \\
&:= ((8 - ((8 + 8)/8)) + 8) \times (888 + 8/8) \\
&:= (99 - 9/9) \times (((9/9 + 99) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12447 &:= 1 + (1 + (1 + (1 + (11 + (111 \times (1 + 111)))))) \\
&:= (222/2)^2 + ((2 \times (2^{2+2+2})) - 2) \\
&:= 3 \times (3 \times ((33 \times (3 \times 3 + 33)) - 3)) \\
&:= 4 + ((444 \times (44 - 4 \times 4)) + 44/4) \\
&:= (5 \times 5^5) + (((5 + 5)/5) - (55 + 5^5)) \\
&:= 66 + (((666/6)^{(6+6)/6}) - 6) + 66 \\
&:= 7/7 + ((7 + 7) \times ((7 \times (77 + 7 \times 7)) + 7)) \\
&:= 8 + ((8 - 8/8) \times (((8 + 8) \times 888) + 8)/8) \\
&:= (9 \times (9 \times (9 + 9))) + (99 \times (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12448 &:= ((1 + 1)^{1+1+1+1}) + (111 \times (1 + 111)) \\
&:= (2^{2+2}) \times ((2 \times ((22 - 2)^2)) - 22) \\
&:= 3/3 + (3 \times (3 \times ((33 \times (3 \times 3 + 33)) - 3))) \\
&:= 4 \times ((444 \times ((4 - 4/4) + 4)) + 4) \\
&:= (5 - 5/5) \times (5^5 - ((55 + 5 + 5)/5)) \\
&:= 6 \times 6 \times 6 + ((66/6) \times ((6666 + 6)/6)) \\
&:= (((7 + 7)/7 + 7) + 7) \times (777 + 7/7) \\
&:= 8 + ((888 \times ((8 - ((8 + 8)/8)) + 8)) + 8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12449 &:= (111^{1+1}) + ((1 + 1)^{1+(1+1) \times (1+1+1)}) \\
&:= (222/2)^2 + (2 \times (2^{2+2+2})) \\
&:= 3 + ((33/3 + 3) \times (((33 \times 3^3) - 3) + 3/3)) \\
&:= ((44/4)^4) - ((44 \times 44) + 4^4) \\
&:= (5 \times (5^5 - (5 + 5))) - (5^5 + 5/5) \\
&:= (66 - (6/6 + 6)) \times ((6 \times 6 \times 6 - 6) + 6/6) \\
&:= (((7 + 7)/7)^7) + (((77/7)^{(7+7)/7}) \\
&:= (8 \times (8 + 8)) + ((888/8)^{(8+8)/8}) \\
&:= 9/9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12450 &:= (11 - 1) \times (1 + (1 + (11 \times (1 + (1 + 111)))))) \\
&:= (22 \times ((22 + 2)^2)) - 222 \\
&:= 3 + (3 \times (3 \times ((33 \times (3 \times 3 + 33)) - 3))) \\
&:= 4 + (((44 + 4/4) + 4) \times (4^4 - (4 + 4)/4)) \\
&:= (5 \times (5^5 - (5 + 5))) - 5^5 \\
&:= 6 + (((66/6) + 6) \times (666 + 66)) \\
&:= (7/7 + (7 \times 7)) \times (((7 + 7)/7)^{7/7+7}) - 7 \\
&:= 8/8 + (((888/8)^{(8+8)/8}) + (8 \times (8 + 8))) \\
&:= 9 + (((999/9) \times ((999 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12451 &:= (111^{1+1}) + ((11-1) \times (1+1+11)) \\
&:= 2 + (((222/2)^2) + (2 \times (2^{2+2+2}))) \\
&:= ((33/3)^{3/3+3}) - ((3 \times (3^{3+3})) + 3) \\
&:= (44 \times (((44/4) + 4^4) + 4 \times 4)) - 4/4 \\
&:= 5/5 + ((5 \times (5^5 - (5+5))) - 5^5) \\
&:= ((6/6+6)^{6-6/6}) - (66 \times 66) \\
&:= 7 + (((7+7) \times ((7 \times (77+7 \times 7)) + 7)) - ((7+7)/7)) \\
&:= 8 + ((888 \times ((8 - ((8+8)/8)) + 8)) + (88/8)) \\
&:= 9999/9 + ((9+9) \times ((9 \times (9 \times 9)) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12452 &:= 11 \times (11 + (11 + (1111 - 1))) \\
&:= 2 + ((22 \times ((22+2)^2)) - 222) \\
&:= 33 + ((33 \times (333+3)) + ((33/3)^3)) \\
&:= 44 \times (((44/4) + 4^4) + 4 \times 4) \\
&:= (5 - 5/5) \times (5^5 - ((55+5)/5)) \\
&:= 6/6 + (((6/6+6)^{6-6/6}) - (66 \times 66)) \\
&:= 7 + (((7+7) \times ((7 \times (77+7 \times 7)) + 7)) - 7/7) \\
&:= (88/8) \times (((88 \times ((888/8) - 8)) - 8)/8) \\
&:= (99/9) \times (((((9+9)/9)^{9/9+9}) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12453 &:= (111^{1+1}) + (11 \times (1+11)) \\
&:= (222/2)^2 + (22 \times (2+2+2)) \\
&:= 3^{3 \times 3} - ((33 \times (((3+3)^3) + 3)) + 3) \\
&:= 4 + (((44/4)^4) - ((44 \times 44) + 4^4)) \\
&:= ((5 - 5/5) \times ((5+5)/5) + 5^5) - 55 \\
&:= 66 + (((666/6)^{(6+6)/6}) + 66) \\
&:= 7 + ((7+7) \times ((7 \times (77+7 \times 7)) + 7)) \\
&:= (8 - 8/8) \times (((((8+8) \times 888) + 88)/8) - 8) \\
&:= (((99+9)/9) + 9) \times (((((9+9)/9)^9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12454 &:= 1 + ((111^{1+1}) + (11 \times (1+11))) \\
&:= 2 + (((22 \times ((22+2)^2)) - 222) + 2) \\
&:= ((33/3)^{3/3+3}) - (3 \times (3^{3+3})) \\
&:= ((44/4)^4) - ((4 - 4/4)^{4+4-4/4}) \\
&:= 5 + ((5 \times (5^5 - (5+5))) - (5^5 + 5/5)) \\
&:= ((6+6) \times ((6 \times ((6 \times (6 \times 6 - 6)) - 6)) - 6)) - ((6+6)/6) \\
&:= 7 + (((7+7) \times ((7 \times (77+7 \times 7)) + 7)) + 7/7) \\
&:= 8 + (((8 - ((8+8)/8)) + 8) \times (888 + 8/8)) \\
&:= 9 + (((999+9)/9)^{(9+9)/9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12455 &:= 1 + (1 + ((111^{1+1}) + (11 \times (1+11)))) \\
&:= 2 + (((222/2)^2) + (22 \times (2+2+2))) \\
&:= 3^{3 \times 3} - ((33 \times (((3+3)^3) + 3)) + 3/3) \\
&:= ((44 - 4/4) + 4) \times (((4/4 + 4^4) + 4) + 4) \\
&:= 5 + ((5 \times (5^5 - (5+5))) - 5^5) \\
&:= ((6+6) \times ((6 \times ((6 \times (6 \times 6 - 6)) - 6)) - 6)) - 6/6 \\
&:= 7 + (((7+7)/7 + 7) \times (777 + 7/7)) \\
&:= ((8+8+8) \times (((8 \times 8 \times 8) - 8/8) + 8)) - 8/8 \\
&:= (9 \times ((9 \times (9 \times (9+9)) - 9) + 9)) - ((9/9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12456 &:= ((1+1) \times (1+11)) + (111 \times (1+111)) \\
&:= (((222+2)/2)^2) - (2 \times 2 \times 22) \\
&:= (33+3) \times (((3/3+3+3)^3) + 3) \\
&:= (4 \times ((4/4+4)^{4/4+4})) - 44 \\
&:= (5 - 5/5) \times (5^5 - (55/5)) \\
&:= (6+6) \times ((6 \times ((6 \times (6 \times 6 - 6)) - 6)) - 6) \\
&:= (77/7+7) \times (((7 \times (7 \times (7+7))) - 7/7) + 7) \\
&:= (8+8+8) \times (((8 \times 8 \times 8) - 8/8) + 8) \\
&:= (9 - 9/9) \times ((9 \times (9 \times (9+9))) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12457 &:= 1 + (((1+1) \times (1+11)) + (111 \times (1+11))) \\
&:= ((22+2)^2) + ((222/2 - 2)^2) \\
&:= 3 + (((33/3)^{3/3+3}) - (3 \times (3^{3+3}))) \\
&:= 4/4 + ((4 \times ((4/4+4)^{4/4+4})) - 44) \\
&:= 5 + ((5 - 5/5) \times (5^5 - ((55+5)/5))) \\
&:= ((6 - 6/6)^6) - (66 \times (6 \times 6 + 6 + 6)) \\
&:= (77/7) + ((7+7) \times ((7 \times (77+7 \times 7)) + 7)) \\
&:= 8 + (((888/8)^{(8+8)/8}) + (8 \times (8+8))) \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9)) - 9)) - (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12458 &:= ((1+1) \times (1+1+11)) + (111 \times (1+111)) \\
&:= 2 + (((222+2)/2)^2) - (2 \times 2 \times 22) \\
&:= (3 - 3/3) \times (((3^{3 \times 3}) + 3)/3) - 333 \\
&:= ((4^4 + 4) \times (44+4)) - (44/((4+4)/4)) \\
&:= ((5 - 5/5) \times (5^5 - (5+5))) - ((5+5)/5) \\
&:= 6/6 + (((6 - 6/6)^6) - (66 \times (6 \times 6 + 6 + 6))) \\
&:= 7 \times 7 + (((((7+7)/7)^7) \times ((7 \times (7+7)) - 7/7)) - 7) \\
&:= ((8+8)/8) + ((8+8+8) \times (((8 \times 8 \times 8) - 8/8) + 8)) \\
&:= ((9 - ((9+9)/9)) \times ((9+9) \times 99) - 9/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12459 &:= ((1+1+1)^{1+1+1}) + (111 \times (1+111)) \\
&:= 2 + (((222/2 - 2)^2) + (22+2)^2) \\
&:= 3 + ((33+3) \times (((3/3+3+3)^3) + 3)) \\
&:= (4 \times 44) + ((4^4 \times (44+4)) - (4/4+4)) \\
&:= ((5 - 5/5) \times (5^5 - (5+5))) - 5/5 \\
&:= 66 + (((66/6) + 6) \times ((6 \times 6/(6+6))^6)) \\
&:= (777/7) + (7 \times ((7+7) \times (77+7 \times 7))) \\
&:= 88 + ((8/8+88) \times (8 \times (8+8) + (88/8))) \\
&:= 9 + (((999/9) \times ((999+9)/9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12460 &:= (11-1) \times (1 + (1 + (1 + (11 \times (1 + (1 + 111)))))) \\
&:= (2 - 22) \times (2 - ((2/2 + 2 + 2)^{2+2})) \\
&:= (33/3+3) \times ((33 \times 3^3) - 3/3) \\
&:= (4 \times 44) + ((4^4 \times (44+4)) - 4) \\
&:= (5 - 5/5) \times (5^5 - (5+5)) \\
&:= (6 \times (66 - 6)) + (((666 - 6)/6)^{(6+6)/6}) \\
&:= 7 + (((7+7) \times ((7 \times (77+7 \times 7)) + 7)) + 7) \\
&:= (8/8+88) \times (((88+8)/8) + (8 \times (8+8))) \\
&:= (9 - ((9+9)/9)) \times (((9+9) \times 99) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12461 &:= (11 \times (11 + (11 + 1111))) - (1 + 1) \\
&:= ((22/2) \times ((2222/2) + 22)) - 2 \\
&:= (3 \times 3 \times 33) + (((3^3 - (3/3 + 3))^3) - 3) \\
&:= 4/4 + (((44 \times (4^4 + 4)) - 4) + (4 \times 4^4)) \\
&:= 5 + ((5 - 5/5) \times (5^5 - (55/5))) \\
&:= ((66/6) + 6) \times (((66 \times 66) + 6)/6) + 6 \\
&:= 7 + (((7 + 7) \times ((7 \times (77 + 7 \times 7)) + 7)) + 7/7) + 7 \\
&:= ((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) - ((88/8) + 8) \\
&:= ((9 - 9/9) + 9) \times (((9 \times 9) - 9)/(9 + 9)) + (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12462 &:= (11 \times (11 + (11 + 1111))) - 1 \\
&:= 2 + ((2 - 22) \times (2 - ((2/2 + 2 + 2)^{2+2}))) \\
&:= (3 \times ((3 \times (33 \times (3 \times 3 + 33))) - 3)) - 3 \\
&:= (4 \times 44) + ((4^4 \times (44 + 4)) - ((4 + 4)/4)) \\
&:= ((5 + 5)/5) + ((5 - 5/5) \times (5^5 - (5 + 5))) \\
&:= ((6 \times 66) + 6) \times ((6 \times 6 - 6) + 6/6) \\
&:= 7 + (((((7 + 7)/7 + 7) + 7) \times (777 + 7/7)) + 7) \\
&:= 8 + (((8 - ((8 + 8)/8)) + 8) \times (888 + 8/8)) + 8 \\
&:= (9 \times ((9 \times (9 \times (9 + 9)) - 9) + 9)) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12463 &:= 11 \times (11 + (11 + 1111)) \\
&:= (22/2) \times ((2222/2) + 22) \\
&:= 3 + ((33/3 + 3) \times ((33 \times 3^3) - 3/3)) \\
&:= (4 \times 44) + ((4^4 \times (44 + 4)) - 4/4) \\
&:= (5 \times 5^5) - (((((5 + 5)/5)^5) + 5^5) + 5) \\
&:= 6 + (((6 - 6/6)^6) - (66 \times (6 \times 6 + 6 + 6))) \\
&:= (((((7 + 7)/7)^7) - 7) \times (((777 - 7)/7) - 7)) \\
&:= (88/8) \times ((88/8) \times ((888/8) - 8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9)) - 9) + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12464 &:= 1 + (11 \times (11 + (11 + 1111))) \\
&:= 22 + (((222/2)^2) + ((22/2)^2)) \\
&:= (3 \times 3 \times 33) + ((3^3 - (3/3 + 3))^3) \\
&:= 4 \times ((4^4 \times (4 + 4 + 4)) + 44) \\
&:= (5 - 5/5) \times ((5/5 - (5 + 5)) + 5^5) \\
&:= (((((6 + 6)/6)^6) - 6) \times ((6 \times 6 \times 6) - 6/6)) - 6 \\
&:= (((7 + 7)/7)^{7+7}) + ((7 \times 7 + 7) \times (7 - 77)) \\
&:= (8 + 8) \times ((8 \times (88 + 8)) + (88/8)) \\
&:= (9/9 + (9 \times 9)) \times ((9 \times (9 + 9)) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12465 &:= (111^{1+1}) + ((1 + 11)^{1+1}) \\
&:= (222/2)^2 + ((2 \times (2 + 2 + 2))^2) \\
&:= 3 \times ((3 \times (33 \times (3 \times 3 + 33))) - 3) \\
&:= 4/4 + ((44 \times (4^4 + 4)) + (4 \times 4^4)) \\
&:= 5 + ((5 - 5/5) \times (5^5 - (5 + 5))) \\
&:= ((6 + 6) \times (6 + 6)) + ((666/6)^{(6+6)/6}) \\
&:= 7 \times 7 + (((7 + 7)/7)^7) \times ((7 \times (7 + 7)) - 7/7) \\
&:= 8/8 + ((8 + 8) \times ((8 \times (88 + 8)) + (88/8))) \\
&:= (9 \times ((9 \times (9 \times (9 + 9)) - 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12466 &:= 1 + ((111^{1+1}) + ((1 + 11)^{1+1})) \\
&:= 2 \times (((((2/2 + 2)^{2+2}) - 2)^2) - (2 \times (2 + 2))) \\
&:= ((3^3 - 3)^3) - (((33/3)^3) + 3^3) \\
&:= 4^4 + ((44/4) \times ((4444 - 4)/4)) \\
&:= 5 + (((5 - 5/5) \times (5^5 - (55/5))) + 5) \\
&:= (((666 + 6)/6)^{(6+6)/6}) - ((66 + 6) + 6) \\
&:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - (7/7 + 77) \\
&:= ((8 + 8)/8) + ((8 + 8) \times ((8 \times (88 + 8)) + (88/8))) \\
&:= 9/9 + ((9 \times ((9 \times (9 \times (9 + 9)) - 9) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12467 &:= 1 + (1 + ((111^{1+1}) + ((1 + 11)^{1+1}))) \\
&:= 2 + (((222/2)^2) + ((2 \times (2 + 2 + 2))^2)) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + (3 \times 3 \times 33)) \\
&:= 4 + (((44 \times (4^4 + 4)) - 4/4) + (4 \times 4^4)) \\
&:= ((5 - 5/5) \times (5^5 - ((5 + 5)/5))) - (5 \times 5) \\
&:= 6 + (((66/6) + 6) \times (((66 \times 66) + 6)/6) + 6) \\
&:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - 77 \\
&:= 88/8 + ((8 + 8 + 8) \times (((8 \times 8 \times 8) - 8/8) + 8)) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times 99) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12468 &:= 1 + (1 + (1 + ((111^{1+1}) + ((1 + 11)^{1+1})))) \\
&:= 2 + (2 \times (((((2/2 + 2)^{2+2}) - 2)^2) - (2 \times (2 + 2)))) \\
&:= 3 + (3 \times ((3 \times (33 \times (3 \times 3 + 33))) - 3)) \\
&:= 4 + ((44 \times (4^4 + 4)) + (4 \times 4^4)) \\
&:= (5 \times 5^5) - (((((5 + 5)/5)^5) + 5^5) \\
&:= 6 + (((6 \times 66) + 6) \times ((6 \times 6 - 6) + 6/6)) \\
&:= 7/7 + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - 77) \\
&:= ((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) - ((88 + 8)/8) \\
&:= 9/9 + ((9 - ((9 + 9)/9)) \times (((9 + 9) \times 99) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12469 &:= (111/(1 + 1 + 1)) + (111 \times (1 + 111)) \\
&:= 2 + (((222/2)^2) + ((2 \times (2 + 2 + 2))^2)) + 2) \\
&:= 3 + (((3^3 - 3)^3) - (((33/3)^3) + 3^3)) \\
&:= ((4^4 + 4) \times (44 + 4)) - (44/4) \\
&:= (5 \times (5^5 - 5)) - ((5^5 + 5/5) + 5) \\
&:= 6 + (((6 - 6/6)^6) - (66 \times (6 \times 6 + 6 + 6))) + 6) \\
&:= ((7 + 7)/7) + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - 77) \\
&:= ((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) - (88/8) \\
&:= 9 + ((9 - ((9 + 9)/9)) \times (((9 + 9) \times 99) - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12470 &:= 1 + ((111/(1 + 1 + 1)) + (111 \times (1 + 111))) \\
&:= 2 \times (((((2/2 + 2)^{2+2}) - 2)^2) - (2 + 2 + 2)) \\
&:= (((3 + 3)^3) - 3/3) \times (((3/3 + 3)^3) - (3 + 3)) \\
&:= ((4 - 44)/4) + ((4^4 + 4) \times (44 + 4)) \\
&:= (5 \times (5^5 - 5)) - (5^5 + 5) \\
&:= (((6 + 6)/6)^6) - 6) \times ((6 \times 6 \times 6) - 6/6) \\
&:= 7 + (((7 + 7)/7)^7) - 7) \times (((777 - 7)/7) - 7) \\
&:= ((8 - 88)/8) + ((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) \\
&:= ((9 + 9)/9) \times (((99 \times (9 \times 9) - (9 + 9))) - (9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12471 &:= (111^{1+1}) + ((11-1) \times (1 + (1+1+1+11))) \\
&:= (2 \times (((2/2+2)^{2+2}) - 2^2)) - (22/2) \\
&:= (3 \times (3 \times (33 \times (3 \times 3 + 33)))) - 3 \\
&:= ((4^4 + 4) \times (44 + 4)) - ((4/4 + 4) + 4) \\
&:= 5/5 + ((5 \times (5^5 - 5)) - (5^5 + 5)) \\
&:= 6 + (((666/6)^{(6+6)/6}) + ((6+6) \times (6+6))) \\
&:= 7 + (((7 \times 7 + 7) \times (7 - 77)) + (((7+7)/7)^{7+7})) \\
&:= ((8+8+8) \times ((8 \times 8 \times 8) + 8)) - (8/8 + 8) \\
&:= (9 \times ((9 \times (9 \times (9+9)) - 9) + 9)) - ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12472 &:= ((1+111)^{1+1}) - (((1+11)^{1+1})/(1+1)) \\
&:= 22 + ((22 \times ((22+2)^2)) - 222) \\
&:= 3/3 + ((3 \times (3 \times (33 \times (3 \times 3 + 33)))) - 3) \\
&:= ((4^4 + 4) \times (44 + 4)) - (4 + 4) \\
&:= (5 - 5/5) \times (5^5 - (((5+5)/5) + 5)) \\
&:= (((666+6)/6)^{(6+6)/6}) - (66+6) \\
&:= 7 + (((((7+7)/7)^7) \times ((7 \times (7+7)) - 7/7)) + (7 \times 7)) \\
&:= ((8+8+8) \times ((8 \times 8 \times 8) + 8)) - 8 \\
&:= (9 \times ((9 \times (9 \times (9+9)) - 9) + 9)) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12473 &:= (11 \times (1 + (11 + (11 + 1111)))) - 1 \\
&:= (22^2 \times (22 + 2 + 2)) - (222/2) \\
&:= (3 \times (3 \times (33 \times (3 \times 3 + 33)))) - 3/3 \\
&:= 4 + (((4^4 + 4) \times (44 + 4)) - 44/4) \\
&:= (5 \times (5^5 - 5)) - (((5+5)/5) + 5^5) \\
&:= 66 + (66666/6 + (6 \times 6 \times 6 \times 6)) \\
&:= 77 + ((77 \times ((77 + 77) + 7)) - 7/7) \\
&:= 8/8 + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) - 8) \\
&:= (9 \times ((9 \times (9 \times (9+9)) - 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12474 &:= 11 \times (1 + (11 + (11 + 1111))) \\
&:= 2 \times (((((2/2+2)^{2+2}) - 2^2)) - (2+2)) \\
&:= 3 \times (3 \times (33 \times (3 \times 3 + 33))) \\
&:= ((4^4 + 4) \times (44 + 4)) - (((4+4)/4) + 4) \\
&:= (5 \times (5^5 - 5)) - (5^5 + 5/5) \\
&:= 66 \times (((666/6 + 66) + 6) + 6) \\
&:= 77 + (77 \times ((77 + 77) + 7)) \\
&:= ((8+8)/8) + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) - 8) \\
&:= 9 \times ((9 \times (9 \times (9+9)) - 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12475 &:= 1 + (11 \times (1 + (11 + (11 + 1111)))) \\
&:= 2 + ((22^2 \times (22 + 2 + 2)) - (222/2)) \\
&:= 3/3 + (3 \times (3 \times (33 \times (3 \times 3 + 33)))) \\
&:= ((4^4 + 4) \times (44 + 4)) - (4/4 + 4) \\
&:= (5 \times (5^5 - 5)) - 5^5 \\
&:= 6/6 + (66 \times (((666/6 + 66) + 6) + 6)) \\
&:= 7/7 + ((77 \times ((77 + 77) + 7)) + 77) \\
&:= 88/8 + ((8+8) \times ((8 \times (88+8)) + (88/8))) \\
&:= 9/9 + (9 \times ((9 \times (9 \times (9+9)) - 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12476 &:= 11 + ((111^{1+1}) + ((1+11)^{1+1})) \\
&:= (2 \times (((((2/2+2)^{2+2}) - 2^2) - 2)) - 2) \\
&:= 3 + ((3 \times (3 \times (33 \times (3 \times 3 + 33)))) - 3/3) \\
&:= ((4^4 + 4) \times (44 + 4)) - 4 \\
&:= 5/5 + ((5 \times (5^5 - 5)) - 5^5) \\
&:= 6 + (((((6+6)/6)^6) - 6) \times ((6 \times 6 \times 6) - 6/6)) \\
&:= (((7+7)/7)^7) + (7 \times ((7+7) \times (77 + 7 \times 7))) \\
&:= ((8+8+8) \times ((8 \times 8 \times 8) + 8)) - (8 \times 8/(8+8)) \\
&:= ((9+9)/9) + (9 \times ((9 \times (9 \times (9+9)) - 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12477 &:= (111^{1+1}) + ((1+11) \times (1+1+11)) \\
&:= (2 \times (((((2/2+2)^{2+2}) - 2^2) - 2)) - 2/2) \\
&:= 3 + (3 \times (3 \times (33 \times (3 \times 3 + 33)))) \\
&:= 4/4 + (((4^4 + 4) \times (44 + 4)) - 4) \\
&:= ((5+5)/5) + ((5 \times (5^5 - 5)) - 5^5) \\
&:= (6 \times (6 \times 66)) + 666666/66 \\
&:= (((7+7+7)/7)^7) + (7 \times ((7+7) \times (7 \times (7+7) + 7))) \\
&:= 8 + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) - 88/8) \\
&:= ((9+9+9)/9) + (9 \times ((9 \times (9 \times (9+9)) - 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12478 &:= 1 + ((111^{1+1}) + ((1+11) \times (1+1+11))) \\
&:= 2 \times (((((2/2+2)^{2+2}) - 2^2) - 2)) \\
&:= 3 + ((3 \times (3 \times (33 \times (3 \times 3 + 33)))) + 3/3) \\
&:= ((4^4 + 4) \times (44 + 4)) - ((4+4)/4) \\
&:= ((5 - 5/5) \times (5^5 - 5)) - ((5+5)/5) \\
&:= (((666+6)/6)^{(6+6)/6}) - 66 \\
&:= (77/7) + ((7 \times ((7+7) \times (((7+7)/7)^7))) - 77) \\
&:= ((8+8+8) \times ((8 \times 8 \times 8) + 8)) - ((8+8)/8) \\
&:= ((9+9)/9) \times ((99 \times (9 \times 9) - (9+9))) + ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12479 &:= (111^{1+1}) + (((1+1+11)^{1+1}) - 11) \\
&:= 2/2 + (2 \times (((((2/2+2)^{2+2}) - 2^2) - 2)) \\
&:= (((3/3+3)^3) \times ((33 \times (3+3)) - 3)) - 3/3 \\
&:= ((4^4 + 4) \times (44 + 4)) - 4/4 \\
&:= ((5 - 5/5) \times (5^5 - 5)) - 5/5 \\
&:= 6/6 + (((666+6)/6)^{(6+6)/6}) - 66 \\
&:= (7777/7) + (7 \times ((77 \times (7+7+7)) + 7)) \\
&:= ((8+8+8) \times ((8 \times 8 \times 8) + 8)) - 8/8 \\
&:= (9 \times ((9 \times (9+9)) - 9)) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12480 &:= (1+1) \times (((((11-1-1)^{1+1}) - (1+1))^{1+1}) - 1) \\
&:= (22+2+2) \times (22^2 - (2+2)) \\
&:= ((3/3+3)^3) \times ((33 \times (3+3)) - 3) \\
&:= (4^4 + 4) \times (44 + 4) \\
&:= (5 - 5/5) \times (5^5 - 5) \\
&:= (6 - 66) \times (((6+6)/6) - (6 \times 6 \times 6)) + 6 \\
&:= (7/7 + 77) \times ((777/7) + (7 \times 7)) \\
&:= (8+8+8) \times ((8 \times 8 \times 8) + 8) \\
&:= 9 + ((9 \times (9 \times (9 \times (9+9)) - 9) + 9)) - ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12481 &:= ((1+1) \times (((11-1-1)^{1+1}) - (1+1))^{1+1}) - 1 \\
&:= (2 \times (((2/2+2)^{2+2}) - 2^2)) - 2/2 \\
&:= 3/3 + (((3/3+3)^3) \times ((33 \times (3+3)) - 3)) \\
&:= 4/4 + ((4^4+4) \times (44+4)) \\
&:= 5/5 + ((5-5/5) \times (5^5-5)) \\
&:= 6/6 + ((6-66) \times (((6+6)/6) - (6 \times 6 \times 6) + 6)) \\
&:= 7 + ((77 \times ((77+77)+7)) + 77) \\
&:= 8/8 + ((8+8+8) \times ((8 \times 8 \times 8) + 8)) \\
&:= (9 - ((9+9)/9)) \times (((9+9) \times 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12482 &:= (1+1) \times (((11-1-1)^{1+1}) - (1+1))^{1+1} \\
&:= 2 \times (((2/2+2)^{2+2}) - 2^2) \\
&:= ((3^3-3)^3) - (((33/3)^3) + (33/3)) \\
&:= ((4+4)/4) + ((4^4+4) \times (44+4)) \\
&:= ((5+5)/5) + ((5-5/5) \times (5^5-5)) \\
&:= 6 + (((((6+6)/6)^6) - 6) \times ((6 \times 6 \times 6) - 6/6) + 6) \\
&:= ((7+7)/7) \times (((7+7)/7) + 77)^{(7+7)/7} \\
&:= ((8+8)/8) + ((8+8+8) \times ((8 \times 8 \times 8) + 8)) \\
&:= 9 + (9 \times ((9 \times ((9 \times (9+9)) - 9)) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12483 &:= (11 \times (111 + ((1+1)^{11-1}))) - (1+1) \\
&:= 2/2 + (2 \times (((2/2+2)^{2+2}) - 2^2)) \\
&:= 3 \times ((3 \times (33 \times (3 \times 3 + 33))) + 3) \\
&:= 4 + (((4^4+4) \times (44+4)) - 4/4) \\
&:= 5 + (((5-5/5) \times (5^5-5)) - ((5+5)/5)) \\
&:= ((66+6/6) + 6) \times ((666/6-6) + 66) \\
&:= (7 \times ((7+7) \times (7+7))) + (77777/7) \\
&:= 88/8 + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) - 8) \\
&:= 9 + (9 \times ((9 \times ((9 \times (9+9)) - 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12484 &:= (11 \times (111 + ((1+1)^{11-1}))) - 1 \\
&:= 2 + (2 \times (((2/2+2)^{2+2}) - 2^2)) \\
&:= ((3^3-3)^3) - (((33/3)^3) + 3 \times 3) \\
&:= 4 + ((4^4+4) \times (44+4)) \\
&:= (5-5/5) \times ((5/5-5) + 5^5) \\
&:= 6 + (((666+6)/6)^{(6+6)/6} - 66) \\
&:= (7 \times (((7+7) \times (((7+7)/7)^7) - 7)) - (77/7) \\
&:= (8 \times 8/(8+8)) + ((8+8+8) \times ((8 \times 8 \times 8) + 8)) \\
&:= 9 + (9 \times ((9 \times ((9 \times (9+9)) - 9)) + 9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12485 &:= 11 \times (111 + ((1+1)^{11-1})) \\
&:= 2 + ((2 \times (((2/2+2)^{2+2}) - 2^2)) + 2/2) \\
&:= (33/3) + (3 \times (3 \times (33 \times (3 \times 3 + 33)))) \\
&:= 4 + (((4^4+4) \times (44+4)) + 4/4) \\
&:= 5 + ((5-5/5) \times (5^5-5)) \\
&:= (66 - (66/6)) \times ((6 \times 6 \times 6) + (66/6)) \\
&:= 77 + ((77 \times ((77+77)+7)) + (77/7)) \\
&:= (88/8) \times (((8888/8) + 8) + 8) + 8 \\
&:= (99/9) + (9 \times ((9 \times ((9 \times (9+9)) - 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12486 &:= 1 + (11 \times (111 + ((1+1)^{11-1}))) \\
&:= 2 \times (((((2/2+2)^{2+2}) - 2^2) + 2) \\
&:= 3 + (3 \times ((3 \times (33 \times (3 \times 3 + 33))) + 3)) \\
&:= 4 + (((4^4+4) \times (44+4)) + ((4+4)/4)) \\
&:= 5 + (((5-5/5) \times (5^5-5)) + 5/5) \\
&:= (6 \times ((6 \times (6 \times (((6+6)/6)^6) - 6))) - 6) - 6 \\
&:= 77 + (((((7+7)/7)^7) \times ((7 \times (7+7)) - 7/7)) - 7) \\
&:= 8 + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) - ((8+8)/8)) \\
&:= ((99+9)/9) + (9 \times ((9 \times ((9 \times (9+9)) - 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12487 &:= 1 + (1 + (11 \times (111 + ((1+1)^{11-1})))) \\
&:= 2/2 + (2 \times (((((2/2+2)^{2+2}) - 2^2) + 2) \\
&:= ((3^3-3)^3) - (((33/3)^3) + 3) + 3) \\
&:= 4 + (((4^4+4) \times (44+4)) - 4/4) + 4 \\
&:= ((5-5/5) \times (5^5 - ((5+5)/5))) - 5 \\
&:= 6 \times 6 + (((6/6+6)^{6-6/6}) - (66 \times 66)) \\
&:= 7 + ((7/7+77) \times ((777/7) + (7 \times 7))) \\
&:= 8 + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) - 8/8) \\
&:= ((99+9+9)/9) + (9 \times ((9 \times ((9 \times (9+9)) - 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12488 &:= ((1+111)^{1+1}) - ((1+111)/(1+1)) \\
&:= 2 + (2 \times (((((2/2+2)^{2+2}) - 2^2) + 2) \\
&:= (33/3+3) \times ((33 \times 3^3) + 3/3) \\
&:= 4 + (((4^4+4) \times (44+4)) + 4) \\
&:= (5-5/5) \times (((5+5)/5) - 5) + 5^5 \\
&:= ((6-6/6)^6) - (((6-6/6)^{6-6/6}) + 6) + 6) \\
&:= (7 \times (((7+7) \times (((7+7)/7)^7) - 7)) - 7 \\
&:= 8 + ((8+8+8) \times ((8 \times 8 \times 8) + 8)) \\
&:= (9 - ((9+9)/9)) \times (((9+9) \times 99) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12489 &:= (111^{1+1}) + (((1+1+11)^{1+1}) - 1) \\
&:= (222/2)^2 + (2 \times (2 \times (2 \times 22 - 2))) \\
&:= 3 + ((3 \times ((3 \times (33 \times (3 \times 3 + 33))) + 3)) + 3) \\
&:= 4 + (((4^4+4) \times (44+4)) + 4/4) + 4 \\
&:= (5 \times 5^5) - ((55/5) + 5^5) \\
&:= ((6-66) \times (6 - (6 \times 6 \times 6))) - (666/6) \\
&:= 7/7 + ((7 \times (((7+7) \times (((7+7)/7)^7) - 7)) - 7) - 7 \\
&:= 8 + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) + 8/8) \\
&:= 99 + ((9 \times (9 \times ((9 \times (9+9)) - 9))) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12490 &:= (111^{1+1}) + ((1+1+11)^{1+1}) \\
&:= 2 \times (((((2/2+2)^{2+2}) - 2^2) + 2) + 2) \\
&:= ((3^3-3)^3) - (((33/3)^3) + 3) \\
&:= ((44-4)/4) + ((4^4+4) \times (44+4)) \\
&:= (5 \times 5^5) - (5^5 + 5 + 5) \\
&:= 6 + (((((666+6)/6)^{(6+6)/6}) - 66) + 6) \\
&:= (77 \times 77) + (((7+7+7)/7)^{7/7+7}) \\
&:= 8 + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) + ((8+8)/8)) \\
&:= 9 + ((9 - ((9+9)/9)) \times (((9+9) \times 99) + 9/9))
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12491 &:= 1 + ((111^{1+1}) + ((1 + 1 + 11)^{1+1})) \\
 &:= 2 + ((2 \times (2 \times (2 \times 22 - 2))) + ((222/2)^2)) \\
 &:= 3 + ((33/3 + 3) \times ((33 \times 3^3) + 3/3)) \\
 &:= (44/4) + ((4^4 + 4) \times (44 + 4)) \\
 &:= ((5 - 5/5) \times (5^5 - 5/5)) - 5 \\
 &:= (6 \times ((6 \times (6 \times (((6 + 6)/6)^6) - 6))) - 6) - 6/6 \\
 &:= 7 + ((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) - (77/7)) \\
 &:= 88/8 + ((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) \\
 &:= 99 + ((9 \times (9 \times ((9 \times (9 + 9) - 9))) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12496 &:= 11 \times (1 + (111 + ((1 + 1)^{11-1})) \\
 &:= 22 \times (((22 + 2)^2) - (2 \times (2 + 2))) \\
 &:= 3 + (((3^3 - 3)^3) - ((33/3)^3)) \\
 &:= 4 \times (((4 + 4 + 4) \times (4^4 + 4)) + 4) \\
 &:= (5 - 5/5) \times (5^5 - 5/5) \\
 &:= (6 \times 66) + (((666 - 6)/6)^{(6+6)/6}) \\
 &:= 7/7 + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) \\
 &:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) + 8) \\
 &:= (99/9) \times ((9 \times ((99 + 9 + 9) + 9)) + ((9 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12492 &:= 1 + (1 + ((111^{1+1}) + ((1 + 1 + 11)^{1+1}))) \\
 &:= 2 + (((22/2) + 2)^2) + ((222/2)^2) \\
 &:= 3 \times (((3 \times (33 \times (3 \times 3 + 33))) + 3) + 3) \\
 &:= 4 + (((4^4 + 4) \times (44 + 4)) + 4) + 4 \\
 &:= (5 - 5/5) \times (5^5 - ((5 + 5)/5)) \\
 &:= 6 \times ((6 \times (6 \times (((6 + 6)/6)^6) - 6))) - 6) \\
 &:= (77/7 + 7) \times (((7 \times (7 \times (7 + 7))) + 7/7) + 7) \\
 &:= ((88 + 8)/8) + ((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) \\
 &:= 99 + (9 \times (9 \times ((9 \times (9 + 9) - 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12497 &:= 1 + (11 \times (1 + (111 + ((1 + 1)^{11-1})))) \\
 &:= (222/2)^2 + (2 \times (2 \times 2 \times 22)) \\
 &:= 333 + (((3^3 - (3/3 + 3))^3) - 3) \\
 &:= 4 \times 4 + (((4^4 + 4) \times (44 + 4)) + 4/4) \\
 &:= 5 + ((5 - 5/5) \times (5^5 - ((5 + 5)/5))) \\
 &:= 6 + ((6 \times (6 \times (6 \times (((6 + 6)/6)^6) - 6))) - 6) - 6/6 \\
 &:= ((7 + 7)/7) + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) \\
 &:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) + 8/8) + 8) \\
 &:= 9 + ((99999/9) + (9 \times ((9 \times (9 + 9) - 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12493 &:= (1 + 1 + 11) \times ((1 + ((11 - 1) \times (1 + 1 + 1)))^{1+1}) \\
 &:= (22/2) + (2 \times (((2/2 + 2)^{2+2}) - 2^2)) \\
 &:= ((3^3 - 3)^3) - ((33/3)^3) \\
 &:= 4 + (((4^4 + 4) \times (44 + 4)) + 4/4) + 4) + 4) \\
 &:= (5 \times 5^5) - (((5 + 5)/5) + 5^5) + 5) \\
 &:= 6/6 + (6 \times ((6 \times (6 \times (((6 + 6)/6)^6) - 6))) - 6) \\
 &:= 77 + (((7 + 7)/7)^7) \times ((7 \times (7 + 7)) - 7/7)) \\
 &:= 8 + ((88/8) \times (((8888/8) + 8) + 8) + 8)) \\
 &:= 9/9 + ((9 \times (9 \times ((9 \times (9 + 9) - 9))) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12498 &:= 1 + (1 + (11 \times (1 + (111 + ((1 + 1)^{11-1})))) \\
 &:= 2 + (22 \times (((22 + 2)^2) - (2 \times (2 + 2)))) \\
 &:= (3 \times (3 \times ((33 \times (3 \times 3 + 33)) + 3))) - 3 \\
 &:= (4 \times ((4/4 + 4)^{4/4+4})) - ((4 + 4)/4) \\
 &:= (5 \times 5^5) - (((5 + 5)/5) + 5^5) \\
 &:= 6 + (6 \times ((6 \times (6 \times (((6 + 6)/6)^6) - 6))) - 6) \\
 &:= ((7 + 7 + 7)/7) + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) \\
 &:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) + ((8 + 8)/8)) + 8) \\
 &:= 9 + (((9 \times (9 \times ((9 \times (9 + 9) - 9))) - ((9 + 9 + 9)/9)) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12494 &:= ((1 + 111)^{1+1}) - (((11 - 1)^{1+1})/(1 + 1)) \\
 &:= (22 \times (((22 + 2)^2) + 2)) - 222 \\
 &:= 3/3 + (((3^3 - 3)^3) - ((33/3)^3)) \\
 &:= 4 + (((4^4 + 4) \times (44 + 4)) + ((44 - 4)/4)) \\
 &:= (5 \times 5^5) - ((5^5 + 5/5) + 5) \\
 &:= ((6 - 6/6)^6) - (((6 - 6/6)^{6-6/6}) + 6) \\
 &:= (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) - 7/7 \\
 &:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) - ((8 + 8)/8)) + 8) \\
 &:= 9 + ((9 \times (9 \times ((9 \times (9 + 9) - 9)) + 9)) + (99/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12499 &:= ((1 + 111)^{1+1}) - (1 + ((1 + 1) \times (11 + 11))) \\
 &:= 2 + (((222/2)^2) + (2 \times (2 \times 2 \times 22))) \\
 &:= 3 + (((3^3 - 3)^3) - ((33/3)^3)) + 3) \\
 &:= (4 \times ((4/4 + 4)^{4/4+4})) - 4/4 \\
 &:= (5 \times 5^5) - (5^5 + 5/5) \\
 &:= ((6 \times 6) - (6/6 + 6)) \times ((6 \times (66 + 6)) - 6/6) \\
 &:= 7 + ((77/7 + 7) \times (((7 \times (7 \times (7 + 7))) + 7/7) + 7)) \\
 &:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) + (88/8)) \\
 &:= ((99/9 + 9) + 9) \times (((9 + 9)/9)^9) - (9 \times 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12495 &:= (11 \times (1 + (111 + ((1 + 1)^{11-1})))) - 1 \\
 &:= (22 - 2/2) \times ((222/2) + 22^2) \\
 &:= ((3 + 3)^3) + (3 \times (((3/3 + 3)^{3+3}) - 3)) \\
 &:= (4^4 - 4/4) \times ((44 + 4/4) + 4) \\
 &:= (5 \times 5^5) - (5^5 + 5) \\
 &:= ((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) + 6) \\
 &:= 7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7) \\
 &:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) - 8/8) + 8) \\
 &:= (999/9) + ((9 \times (9 \times ((9 \times (9 + 9) - 9))) - 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12500 &:= ((1 + 111)^{1+1}) - ((1 + 1) \times (11 + 11)) \\
 &:= (22 - 2) \times ((2/2 + 2 + 2)^{2+2}) \\
 &:= 333 + ((3^3 - (3/3 + 3))^3) \\
 &:= 4 \times ((4/4 + 4)^{4/4+4}) \\
 &:= 5^5 \times (5 - 5/5) \\
 &:= (6 - ((6 + 6)/6)) \times ((6 - 6/6)^{6-6/6}) \\
 &:= (7 - ((7 + 7)/7)) \times ((7/7 + (7 \times 7))^{(7+7)/7}) \\
 &:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) + ((88 + 8)/8)) \\
 &:= 9 + (((9 \times (9 \times ((9 \times (9 + 9) - 9))) - 9/9) + 99)
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12501 &:= 1 + (((1 + 111)^{1+1}) - ((1 + 1) \times (11 + 11))) \\
&:= 2/2 + ((22 - 2) \times ((2/2 + 2 + 2)^{2+2})) \\
&:= 3 \times (3 \times ((33 \times (3 \times 3 + 33)) + 3)) \\
&:= 4/4 + (4 \times ((4/4 + 4)^{4/4+4})) \\
&:= 5/5 + (5^5 \times (5 - 5/5)) \\
&:= 6 + (((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) + 6)) \\
&:= 7 + ((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) - 7/7) \\
&:= (8/8 + 8) \times ((88 \times (8 + 8)) - ((88/8) + 8)) \\
&:= 9 + (9 \times (9 \times ((9 \times (9 + 9)) - 9))) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12502 &:= ((1 + 111)^{1+1}) - ((1 + 1) \times (11 + (11 - 1))) \\
&:= 2 + ((22 - 2) \times ((2/2 + 2 + 2)^{2+2})) \\
&:= 3 \times 3 + (((3^3 - 3)^3) - ((33/3)^3)) \\
&:= ((4 + 4)/4) + (4 \times ((4/4 + 4)^{4/4+4})) \\
&:= (5 \times 5^5) + (((5 + 5)/5) - 5^5) \\
&:= (((666 + 6)/6)^{(6+6)/6}) - (6 \times 6 + 6) \\
&:= 7 + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) \\
&:= 88 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) - ((8 + 8)/8)) \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12503 &:= 1 + (((1 + 111)^{1+1}) - ((1 + 1) \times (11 + (11 - 1)))) \\
&:= (22 \times ((22 + 2)^2)) - (((22/2) + 2)^2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + 333) \\
&:= 4 + ((4 \times ((4/4 + 4)^{4/4+4})) - 4/4) \\
&:= 5 + ((5 \times 5^5) - (((5 + 5)/5) + 5^5)) \\
&:= (6 \times (((6 + 6)/6)^{66/6}) + (6 \times 6)) - 6/6 \\
&:= 7 + ((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) + 7/7) \\
&:= 88 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) - 8/8) \\
&:= 99 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12504 &:= (1 + 1) \times (111 + ((1 + 1 + 1) \times (((1 + 1)^{11}) - 1))) \\
&:= 22 + (2 \times (((2/2 + 2)^{2+2}) - 2^2)) \\
&:= ((3 + 3)^3) + (3 \times ((3/3 + 3)^{3+3})) \\
&:= 4 + (4 \times ((4/4 + 4)^{4/4+4})) \\
&:= (5 - 5/5) \times (5^5 + 5/5) \\
&:= 6 \times (((6 + 6)/6)^{66/6}) + (6 \times 6) \\
&:= 7 + ((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) + (7 + 7)/7) \\
&:= 88 + ((8 + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= (999/9) + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12505 &:= ((1 + 111)^{1+1}) - ((1 + 1 + 1) \times (1 + 1 + 11)) \\
&:= (222/2)^2 + (2 \times (2 \times (2 \times 22 + 2))) \\
&:= 3 + (((3^3 - 3)^3) - ((33/3)^3)) + 3 \times 3 \\
&:= 4 + ((4 \times ((4/4 + 4)^{4/4+4})) + 4/4) \\
&:= 5 + (5^5 \times (5 - 5/5)) \\
&:= 6/6 + (6 \times (((6 + 6)/6)^{66/6}) + (6 \times 6)) \\
&:= ((77 - 7)/7) + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) \\
&:= 8/8 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) + 88) \\
&:= ((999 + 9)/9) + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12506 &:= ((1 + 111)^{1+1}) - (1 + (111/(1 + 1 + 1))) \\
&:= ((22/2) + 2) \times ((2 \times (22^2 - 2)) - 2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + 333) + 3 \\
&:= 4 + ((4 \times ((4/4 + 4)^{4/4+4})) + ((4 + 4)/4)) \\
&:= 5 + ((5^5 \times (5 - 5/5)) + 5/5) \\
&:= 6 + ((6 - ((6 + 6)/6)) \times ((6 - 6/6)^{6-6/6})) \\
&:= (77/7) + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) \\
&:= 88 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) + ((8 + 8)/8)) \\
&:= ((99 + 9 + 9)/9) \times ((9 \times (99 + 9)) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12507 &:= 11 \times (1 + (1 + (111 + ((1 + 1)^{11-1})))) \\
&:= (22 \times (((22 + 2)^2) - 2)) - ((22/2)^2) \\
&:= 3 + (3 \times ((3/3 + 3)^{3+3})) + ((3 + 3)^3) \\
&:= 4 + (((4 \times ((4/4 + 4)^{4/4+4})) - 4/4) + 4) \\
&:= 5 + ((5^5 \times (5 - 5/5)) + ((5 + 5)/5)) \\
&:= 6 + (((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) + 6)) + 6 \\
&:= 7 + ((7 - ((7 + 7)/7)) \times ((7/7 + (7 \times 7))^{(7+7)/7})) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) + (88/8) + 8) \\
&:= (99/9) \times (((9999 - 9)/9) + 9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12508 &:= ((1 + 111)^{1+1}) - ((1 + 1 + 1) \times (1 + 11)) \\
&:= (((222 + 2)/2)^2) - ((2 + 2 + 2)^2) \\
&:= (((333 + 3)/3)^{3-3/3}) - (33 + 3) \\
&:= 4 + ((4 \times ((4/4 + 4)^{4/4+4})) + 4) \\
&:= (5 - 5/5) \times (((5 + 5)/5) + 5^5) \\
&:= (((666 + 6)/6)^{(6+6)/6}) - (6 \times 6) \\
&:= (777/7) + (77 \times ((77 + 77) + 7)) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) + ((88 + 8)/8) + 8) \\
&:= 9 + (((99/9 + 9) + 9) \times (((9 + 9)/9)^9) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12509 &:= 1 + (((1 + 111)^{1+1}) - ((1 + 1 + 1) \times (1 + 11))) \\
&:= 2 + ((22 \times (((22 + 2)^2) - 2)) - ((22/2)^2)) \\
&:= 3 \times 3 + (((3^3 - (3/3 + 3))^3) + 333) \\
&:= 4 + (((4 \times ((4/4 + 4)^{4/4+4})) + 4/4) + 4) \\
&:= 5 + ((5 - 5/5) \times (5^5 + 5/5)) \\
&:= 6 + ((6 \times (((6 + 6)/6)^{66/6}) + (6 \times 6)) - 6/6) \\
&:= 7 + ((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) + 7) \\
&:= (8 - 8/8) \times (((8 + 8) \times 888) + 88)/8 \\
&:= 99 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12510 &:= (1 + 1) \times (111 + ((1 + 1 + 1) \times ((1 + 1)^{11}))) \\
&:= 222 + ((2 + 2 + 2) \times (2^{22/2})) \\
&:= (3 + 3) \times ((3 \times ((3^{3+3}) - 33)) - 3) \\
&:= (4/4 + 4) \times ((4 \times ((4/4 + 4)^4)) + ((4 + 4)/4)) \\
&:= 5 + ((5^5 \times (5 - 5/5)) + 5) \\
&:= 6 + (6 \times (((6 + 6)/6)^{66/6}) + (6 \times 6)) \\
&:= 7 + (((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) + 7/7) + 7) \\
&:= (((8 + 8)/8) + 8) \times ((8 \times 88) - (8/8 + 8)) \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12511 &:= ((1 + 111)^{1+1}) - (11 \times (1 + 1 + 1)) \\
 &:= (((222/2) + 2)^2) - (2^{2 \times (2+2)}) + 2 \\
 &:= (((333 + 3)/3)^{3-3/3}) - 33 \\
 &:= (44/4) + (4 \times ((4/4 + 4)^{4/4+4})) \\
 &:= (55/5) + (5^5 \times (5 - 5/5)) \\
 &:= 6 + ((6 \times (((6+6)/6)^{66/6}) + (6 \times 6))) + 6/6 \\
 &:= 7 + (((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) - 7)) + ((7 + 7)/7)) + 7 \\
 &:= (88 \times (8 + 8)) + ((8888/8) - 8) \\
 &:= (9 \times (9 \times (9 \times (9 + 9)))) - (((9 + 9)/9)^9) + 99
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12512 &:= 1 + (((1 + 111)^{1+1}) - (11 \times (1 + 1 + 1))) \\
 &:= 2 \times (2 \times (2 \times ((2^{22/2}) - 22^2))) \\
 &:= 3 + (((3^3 - (3/3 + 3))^3) + 333) + 3 \times 3 \\
 &:= 4 \times (((4 + 4 + 4) \times (4^4 + 4)) + 4) + 4 \\
 &:= (5 \times 5^5) + (((55 + 5)/5) - 5^5) \\
 &:= 6 + (((6 - ((6 + 6)/6)) \times ((6 - 6/6)^{6-6/6})) + 6) \\
 &:= (7/7 + 7) \times (((7 + 7) \times 777) - 7) + 77/7 \\
 &:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) + 88) \\
 &:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) - (9 + 9)/9) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12513 &:= 1 + (1 + (((1 + 111)^{1+1}) - (11 \times (1 + 1 + 1)))) \\
 &:= (((222/2) + 2)^2) - (2^{2 \times (2+2)}) \\
 &:= 3 + ((3 + 3) \times ((3 \times (3^{3+3}) - 33)) - 3) \\
 &:= 44 + (((4^4 + 4) \times (44 + 4)) - 44/4) \\
 &:= 5 + ((5 - 5/5) \times (((5 + 5)/5) + 5^5)) \\
 &:= (((666/6) + 6) \times ((6 \times (6 + 6 + 6)) - 6/6)) - 6 \\
 &:= (((7 + 7)/7)^{7+7}) - (7 \times ((7 \times 77) + 7) + 7) \\
 &:= ((8/8 + 88) + 8) \times (8 \times (8 + 8) + 8/8) \\
 &:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + (999/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12514 &:= ((1 + 111)^{1+1}) - ((11 - 1) \times (1 + 1 + 1)) \\
 &:= 2 + (2 \times (2 \times (2 \times ((2^{22/2}) - 22^2)))) \\
 &:= 3 + (((333 + 3)/3)^{3-3/3}) - 33 \\
 &:= 4^4 \times 44 + (((4 + 4)/4) \times ((4/4 + 4)^4)) \\
 &:= 5 + (((5 - 5/5) \times (5^5 + 5/5)) + 5) \\
 &:= 6 + (((666 + 6)/6)^{(6+6)/6}) - (6 \times 6) \\
 &:= (7 \times (7 + 7)) + (((7 + 7)/7)^7) \times ((7 \times (7 + 7)) - 7/7) \\
 &:= 8/8 + (((8/8 + 88) + 8) \times (8 \times (8 + 8) + 8/8)) \\
 &:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + (999 + 9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12515 &:= 1 + (((1 + 111)^{1+1}) - ((11 - 1) \times (1 + 1 + 1))) \\
 &:= 2 + (((222/2) + 2)^2) - (2^{2 \times (2+2)}) \\
 &:= ((33/3 + 3) \times ((33 \times 3^3) + 3)) - 3/3 \\
 &:= (4 \times (((4/4 + 4)^{4/4+4}) + 4)) - 4/4 \\
 &:= ((5 - 5/5) \times (5^5 + 5)) - 5 \\
 &:= (66/6) + (6 \times (((6 + 6)/6)^{66/6}) + (6 \times 6)) \\
 &:= 7 + ((77 \times ((77 + 77) + 7)) + (777/7)) \\
 &:= 88 + (((8 + 8) \times ((8 \times (88 + 8)) + 8)) + (88/8)) \\
 &:= ((999 + 99)/9) + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12516 &:= (1 + 1) \times (111 + ((1 + 1 + 1) \times (1 + ((1 + 1)^{11})))) \\
 &:= 2 \times ((2 \times (2 \times ((2^{22/2}) - 22^2))) + 2) \\
 &:= (33/3 + 3) \times ((33 \times 3^3) + 3) \\
 &:= 4 \times (((4/4 + 4)^{4/4+4}) + 4) \\
 &:= (5 - 5/5) \times ((5^5 - 5/5) + 5) \\
 &:= (6 + 6) \times ((6 \times ((6 \times (6 \times 6 - 6)) - 6)) - 6/6) \\
 &:= (7 + 7) \times ((7 \times (((7 + 7)/7)^7)) - ((7 + 7)/7)) \\
 &:= (8 - 8/8) \times (((8 \times (8 \times ((8 \times 8) - 8))) - 8)/((8 + 8)/8)) \\
 &:= ((99 + 9)/9) \times ((9 \times (99 + 9 + 9)) - (9/9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12517 &:= (111^{1+1}) + ((1 + 1 + 1 + 11)^{1+1}) \\
 &:= (222/2)^2 + ((2^{2+2} - 2)^2) \\
 &:= (((333 + 3)/3)^{3-3/3}) - 3^3 \\
 &:= 4/4 + (4 \times (((4/4 + 4)^{4/4+4}) + 4)) \\
 &:= 5 + (((55 + 5)/5) - 5^5) + (5 \times 5^5) \\
 &:= (6 \times (6 \times (6 \times (((6 + 6)/6)^6) - 6))) - (66/6) \\
 &:= ((7 + 7) \times (7 + 7)) + ((777/7)^{(7+7)/7}) \\
 &:= 8 + ((8 - 8/8) \times (((8 + 8) \times 888) + 88)/8) \\
 &:= (((999 + 9)/9)^{(9+9)/9}) - (9 + 9 + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12518 &:= 11 \times (1111 + ((1 + 1 + 1)^{1+1+1})) \\
 &:= (((222 + 2)/2)^2) - (22 + 2 + 2) \\
 &:= (33/3) \times ((3333/3) + 3^3) \\
 &:= ((4 + 4)/4) + (4 \times (((4/4 + 4)^{4/4+4}) + 4)) \\
 &:= ((5 - 5/5) \times (5^5 + 5)) - ((5 + 5)/5) \\
 &:= ((6 - 66)/6) + (6 \times (6 \times (6 \times (((6 + 6)/6)^6) - 6))) \\
 &:= 77/7 \times (((77 \times (7 + 7)) + (77/7)) + (7 \times 7)) \\
 &:= 8 + (((8 + 8)/8) + 8) \times ((8 \times 88) - (8/8 + 8)) \\
 &:= (99/9) \times (((9999/9 + 9) + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12519 &:= ((1 + 111)^{1+1}) - (1 + (1 + 1) \times (1 + 11)) \\
 &:= 2 + (((222/2)^2) + ((2^{2+2} - 2)^2)) \\
 &:= 3 \times (((3 + 3) \times ((3^{3+3}) - 33)) - 3) \\
 &:= 4 + ((4 \times (((4/4 + 4)^{4/4+4}) + 4)) - 4/4) \\
 &:= ((5 - 5/5) \times (5^5 + 5)) - 5/5 \\
 &:= ((666/6) + 6) \times ((6 \times (6 + 6 + 6)) - 6/6) \\
 &:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - ((77/7 + 7) + 7) \\
 &:= (88 \times (8 + 8)) + (88888/8) \\
 &:= (99 + 9 + 9) \times ((99 - 9/9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12520 &:= ((1 + 111)^{1+1}) - ((1 + 1) \times (1 + 11)) \\
 &:= (((222 + 2)/2)^2) - (22 + 2) \\
 &:= 3^3 + (((3^3 - 3)^3) - ((33/3)^3)) \\
 &:= 4 + (4 \times (((4/4 + 4)^{4/4+4}) + 4)) \\
 &:= (5 - 5/5) \times (5^5 + 5) \\
 &:= 6 + (((666 + 6)/6)^{(6+6)/6}) - (6 \times 6) + 6 \\
 &:= (7/7 + 7) \times (((7 + 7) \times 777) + 77)/7 \\
 &:= 88 + (888 \times ((8 - ((8 + 8)/8)) + 8)) \\
 &:= 9/9 + ((99 + 9 + 9) \times ((99 - 9/9) + 9))
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12521 &:= ((1 + 111)^{1+1}) - (1 + 11 + 11) \\
&:= 222 + (((222/2)^2) - 22) \\
&:= 3 + ((33/3) \times ((3333/3) + 3^3)) \\
&:= 4 + ((4 \times (((4/4 + 4)^{4/4+4}) + 4)) + 4/4) \\
&:= 5/5 + ((5 - 5/5) \times (5^5 + 5)) \\
&:= ((6/6 + 6 + 6) + 6) \times (666 - (6/6 + 6)) \\
&:= (((7 + 7)/7 + 7) + 7) \times ((777 - 7/7) + 7) - 7 \\
&:= 8 + (((8/8 + 88) + 8) \times (8 \times (8 + 8) + 8/8)) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9) - 9)) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12522 &:= ((1 + 111)^{1+1}) - (11 + 11) \\
&:= (((222 + 2)/2)^2) - 22 \\
&:= 3 + (3 \times (((3 + 3) \times ((3^{3+3}) - 33)) - 3)) \\
&:= 44 + (((4^4 + 4) \times (44 + 4)) - ((4 + 4)/4)) \\
&:= ((5 + 5)/5) + ((5 - 5/5) \times (5^5 + 5)) \\
&:= (6 \times (6 \times (6 \times (((6 + 6)/6)^6 - 6)))) - 6 \\
&:= 77 + (((7 + 7) \times ((7 \times (77 + 7 \times 7) + 7)) - 7/7) \\
&:= (((8 - ((8 + 8)/8)) + 8) \times ((888 - 8/8) + 8)) - 8 \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) - 9))) + (999/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12523 &:= 1 + (((1 + 111)^{1+1}) - (11 + 11)) \\
&:= 2/2 + (((222 + 2)/2)^2) - 22 \\
&:= 3 + (((3^3 - 3)^3) - ((33/3)^3)) + 3^3 \\
&:= 44 + (((4^4 + 4) \times (44 + 4)) - 4/4) \\
&:= (5 \times (5^5 + 5)) - (((5 + 5)/5) + 5^5) \\
&:= 6/6 + ((6 \times (6 \times (6 \times (((6 + 6)/6)^6 - 6)))) - 6) \\
&:= 77 + ((7 + 7) \times ((7 \times (77 + 7 \times 7) + 7)) \\
&:= 8 + (((8 + 8) \times ((8 \times (88 + 8) + 8)) + (88/8)) + 88) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times 99) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12524 &:= ((1 + 111)^{1+1}) - ((1 + 1) \times (11 - 1)) \\
&:= 2 + (((222 + 2)/2)^2) - 22 \\
&:= (3 \times ((3 + 3) \times ((3^{3+3}) - 33))) - (3/3 + 3) \\
&:= 44 + ((4^4 + 4) \times (44 + 4)) \\
&:= (5 - 5/5) \times ((5^5 + 5/5) + 5) \\
&:= (6 - ((6 + 6)/6)) \times (((6 - 6/6)^{6-6/6}) + 6) \\
&:= 7 + (((777/7)^{7+7/7}) + ((7 + 7) \times (7 + 7))) \\
&:= (88/((8 + 8)/8)) + ((8 + 8 + 8) \times ((8 \times 8 \times 8) + 8)) \\
&:= ((99 + 9) \times (99 + 9 + 9)) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12525 &:= 1 + (((1 + 111)^{1+1}) - ((1 + 1) \times (11 - 1))) \\
&:= ((22/2)^{2+2}) - ((2 \times 22 + 2)^2) \\
&:= (3 \times ((3 + 3) \times ((3^{3+3}) - 33))) - 3 \\
&:= 44 + (((4^4 + 4) \times (44 + 4)) + 4/4) \\
&:= (5 \times (5^5 + 5)) - 5^5 \\
&:= 6 + (((666/6) + 6) \times ((6 \times (6 + 6 + 6)) - 6/6)) \\
&:= (((7 + 7)/7)^7) + (77 \times ((77 + 77) + 7)) \\
&:= ((8/8 + 8 + 8) + 8) \times ((8 \times 8 \times 8) - 88/8) \\
&:= ((99 + 9) \times (99 + 9 + 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12526 &:= ((1 + 111)^{1+1}) - ((1 + 1) \times (11 - 1 - 1)) \\
&:= 2 + (((((222 + 2)/2)^2) - 22) + 2) \\
&:= 33 + (((3^3 - 3)^3) - ((33/3)^3)) \\
&:= 44 + (((4^4 + 4) \times (44 + 4)) + ((4 + 4)/4)) \\
&:= 5/5 + ((5 \times (5^5 + 5)) - 5^5) \\
&:= (6 \times (6 \times (6 \times (((6 + 6)/6)^6 - 6)))) - ((6 + 6)/6) \\
&:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - (77/7 + 7) \\
&:= ((8 + 8)/8) \times (((8/8 + 8) \times ((8 \times 88) - 8)) - 8/8) \\
&:= (((999 + 9)/9)^{(9+9)/9}) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12527 &:= 1 + (((1 + 111)^{1+1}) - ((1 + 1) \times (11 - 1 - 1))) \\
&:= (((222/2) + 2)^2) - (22^2/2) \\
&:= (3 \times ((3 + 3) \times ((3^{3+3}) - 33))) - 3/3 \\
&:= ((4 + 4 + 4) \times ((4 \times (4^4 + 4)) + 4)) - 4/4 \\
&:= ((5 + 5)/5) + ((5 \times (5^5 + 5)) - 5^5) \\
&:= (6 \times (6 \times (6 \times (((6 + 6)/6)^6 - 6)))) - 6/6 \\
&:= 7 + ((7/7 + 7) \times (((7 + 7) \times 777) + 77/7)) \\
&:= 8 + ((88888/8) + (88 \times (8 + 8))) \\
&:= ((99 + 9) \times ((99 - 9/9) + 9) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12528 &:= ((1 + 111)^{1+1}) - ((1 + 1)^{1+1+1+1}) \\
&:= (((222 + 2)/2)^2) - (2^{2+2}) \\
&:= 3 \times ((3 + 3) \times ((3^{3+3}) - 33)) \\
&:= (4 + 4 + 4) \times ((4 \times (4^4 + 4)) + 4) \\
&:= (5 - 5/5) \times (((5 + 5)/5) + 5^5 + 5) \\
&:= 6 \times (6 \times (6 \times (((6 + 6)/6)^6 - 6))) \\
&:= (((7 + 7)/7 + 7) + 7) \times ((777 - 7/7) + 7) \\
&:= (8 + 8) \times ((8/8 + 8) \times (88 - 8/8)) \\
&:= (99 + 9) \times ((99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12529 &:= 11 \times (((11 - 1) \times (1 + (1 + (1 + 111)))) - 1) \\
&:= 2 + (((222/2) + 2)^2) - (22^2/2) \\
&:= 3/3 + (3 \times ((3 + 3) \times ((3^{3+3}) - 33))) \\
&:= ((44/4)^4) - (44 \times (44 + 4)) \\
&:= 5 + ((5 - 5/5) \times ((5^5 + 5/5) + 5)) \\
&:= 6/6 + (6 \times (6 \times (6 \times (((6 + 6)/6)^6 - 6)))) \\
&:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - ((7/7 + 7) + 7) \\
&:= 8/8 + ((8 + 8) \times ((8/8 + 8) \times (88 - 8/8))) \\
&:= ((9 - 9/9) + 9) \times (((9 \times (9 \times 9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12530 &:= ((1 + 111)^{1+1}) - (1 + 1 + 1 + 11) \\
&:= ((22 + 2 + 2) \times (22^2 - 2)) - 2 \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 33))) - 3/3) \\
&:= 4/4 + (((44/4)^4) - (44 \times (44 + 4))) \\
&:= 5 + ((5 \times (5^5 + 5)) - 5^5) \\
&:= ((6 + 6)/6) + (6 \times (6 \times (6 \times (((6 + 6)/6)^6 - 6)))) \\
&:= (7 + 7) \times ((7 \times (((7 + 7)/7)^7)) - 7/7) \\
&:= ((8 - ((8 + 8)/8)) + 8) \times ((888 - 8/8) + 8) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times 99) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12531 &:= ((1 + 111)^{1+1}) - (1 + 1 + 11) \\
&:= (((222 + 2)/2)^2) - ((22/2) + 2) \\
&:= 3 + (3 \times ((3 + 3) \times ((3^{3+3}) - 33))) \\
&:= (4 - 4/4) \times (((4 - 4/4)^4) + ((4 + 4)^4)) \\
&:= 5 + (((5 \times (5^5 + 5)) - 5^5) + 5/5) \\
&:= 6 \times 6 \times 6 + (((666/6)^{(6+6)/6}) - 6) \\
&:= 7/7 + ((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) - 7/7)) \\
&:= 8/8 + (((8 - ((8 + 8)/8)) + 8) \times ((888 - 8/8) + 8)) \\
&:= 99 + ((999/9) \times ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12532 &:= ((1 + 111)^{1+1}) - 11 - 1 \\
&:= (22 + 2 + 2) \times (22^2 - 2) \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 33))) + 3/3) \\
&:= 4 + ((4 + 4 + 4) \times ((4 \times (4^4 + 4)) + 4)) \\
&:= (5 \times 5^5) + (((5 + 5)/5)^5 - 5^5) \\
&:= (((666 + 6)/6)^{(6+6)/6}) - (6 + 6) \\
&:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7)) - ((77 + 7)/7) \\
&:= ((8 + 8) \times (((8 \times (88 + 8)) + 8) + 8)) - ((88 + 8)/8) \\
&:= ((99 + 9 + 9)/9) \times (((9 \times (99 + 9)) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12533 &:= ((1 + 111)^{1+1}) - 11 \\
&:= (((222 + 2)/2)^2) - (22/2) \\
&:= 33 + (((3^3 - (3/3 + 3))^3) + 333) \\
&:= 4 + (((44/4)^4) - (44 \times (44 + 4))) \\
&:= 5 + ((5 - 5/5) \times (((5 + 5)/5) + 5^5) + 5) \\
&:= 6 + ((6 \times (6 \times (6 \times (((6 + 6)/6)^6) - 6)))) - 6/6 \\
&:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7)) - (77/7) \\
&:= ((8 + 8) \times (((8 \times (88 + 8)) + 8) + 8)) - (88/8) \\
&:= (((9 + 9)/9) + (9 \times 9)) \times ((9 \times (9 + 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12534 &:= 1 + (((1 + 111)^{1+1}) - 11) \\
&:= 2 + ((22 + 2 + 2) \times (22^2 - 2)) \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 33))) + 3) \\
&:= 4^4 + ((4^4 \times (44 + 4)) + ((4 - 44)/4)) \\
&:= 5 + (((5 - 5/5) \times ((5^5 + 5/5) + 5)) + 5) \\
&:= 6 + (6 \times (6 \times (6 \times (((6 + 6)/6)^6) - 6))) \\
&:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) - (7 \times (7 + 7)) \\
&:= 88 + (((8 - ((8 + 8)/8)) + 8) \times (888 + 8/8)) \\
&:= (((999 + 9)/9)^{(9+9)/9}) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12535 &:= 1 + (1 + (((1 + 111)^{1+1}) - 11)) \\
&:= 2 + (((222 + 2)/2)^2) - (22/2) \\
&:= (((333 + 3)/3)^{3-3/3}) - (3 \times 3) \\
&:= 4 + ((4 - 4/4) \times (((4 - 4/4)^4) + ((4 + 4)^4))) \\
&:= 5 + (((5 \times (5^5 + 5)) - 5^5) + 5) \\
&:= 6 + ((6 \times (6 \times (6 \times (((6 + 6)/6)^6) - 6)))) + 6/6 \\
&:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7)) - ((7 + 7)/7 + 7) \\
&:= ((8 + 8) \times (((8 \times (88 + 8)) + 8) + 8)) - (8/8 + 8) \\
&:= (((999 + 9)/9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12536 &:= 1 + (1 + (1 + (((1 + 111)^{1+1}) - 11))) \\
&:= (((222 + 2)/2)^2) - (2 \times (2 + 2)) \\
&:= (3 \times (((3 + 3) \times ((3^{3+3}) - 33)) + 3)) - 3/3 \\
&:= 4^4 + ((4^4 \times (44 + 4)) - (4 + 4)) \\
&:= (55/5) + ((5 \times (5^5 + 5)) - 5^5) \\
&:= (6 \times (66 \times (6 \times 6 + 6))) - (((6 + 6)/6)^{6+6}) \\
&:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7)) - (7/7 + 7) \\
&:= ((8 + 8) \times (((8 \times (88 + 8)) + 8) + 8)) - 8 \\
&:= 9/9 + (((999 + 9)/9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12537 &:= 1 + (1 + (1 + (1 + (((1 + 111)^{1+1}) - 11)))) \\
&:= 2 + (((((222 + 2)/2)^2) - (22/2)) + 2) \\
&:= 3 \times (((3 + 3) \times ((3^{3+3}) - 33)) + 3) \\
&:= 4 + (((44/4)^4) - (44 \times (44 + 4)) + 4) \\
&:= 5 + (((5 + 5)/5)^5 - 5^5) + (5 \times 5^5) \\
&:= 6 \times 6 \times 6 + ((666/6)^{(6+6)/6}) \\
&:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7)) - 7 \\
&:= ((8 \times 8) - 8/8) \times ((888/8) + 88) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12538 &:= ((1 + 111)^{1+1}) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= (((222 + 2)/2)^2) - (2 + 2 + 2) \\
&:= (((333 + 3)/3)^{3-3/3}) - (3 + 3) \\
&:= 4^4 + ((4 - 4/4) \times (((4 + 4)^4) - ((4 + 4)/4))) \\
&:= ((5 - 5/5) \times (5^5 + 5 + 5)) - ((5 + 5)/5) \\
&:= (((666 + 6)/6)^{(6+6)/6}) - 6 \\
&:= 7/7 + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7)) - 7) \\
&:= 8 + (((8 - ((8 + 8)/8)) + 8) \times ((888 - 8/8) + 8)) \\
&:= 9 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) - 9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12539 &:= ((1 + 111)^{1+1}) - (1 + 1 + 1 + 1 + 1) \\
&:= 222 + (((222/2)^2) - (2 + 2)) \\
&:= (33/3) + (3 \times ((3 + 3) \times ((3^{3+3}) - 33))) \\
&:= 4^4 + ((4^4 \times (44 + 4)) - (4/4 + 4)) \\
&:= ((5 - 5/5) \times (5^5 + 5 + 5)) - 5/5 \\
&:= 6/6 + (((666 + 6)/6)^{(6+6)/6}) - 6 \\
&:= ((7 + 7)/7) + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7)) - 7) \\
&:= 88/8 + ((8 + 8) \times ((8/8 + 8) \times (88 - 8/8))) \\
&:= 9 + ((9 - ((9 + 9)/9)) \times (((9 + 9) \times 99) - 9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12540 &:= (111 - 1) \times (1 + (1 + (1 + 111))) \\
&:= (((222 + 2)/2)^2) - (2 + 2) \\
&:= (333 - 3) \times ((33/3) + 3^3) \\
&:= 4^4 + ((4^4 \times (44 + 4)) - 4) \\
&:= (5 - 5/5) \times (5^5 + 5 + 5) \\
&:= (6 + 6) \times ((6666/6) - 66) \\
&:= 7 + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7)) - (77/7)) \\
&:= (88/8) \times (((88 + 8)/8) \times ((88 - 8/8) + 8)) \\
&:= 9 + (((999/9) \times ((999 + 9)/9)) + 99)
\end{aligned}$$

$$\blacktriangleright 12541 := ((1 + 111)^{1+1}) - (1 + 1 + 1)$$

$$:= 222 + (((222/2)^2) - 2)$$

$$:= (((333 + 3)/3)^{3-3/3}) - 3$$

$$:= 4/4 + (((4^4 \times (44 + 4)) - 4) + 4^4)$$

$$:= 5/5 + ((5 - 5/5) \times (5^5 + 5 + 5))$$

$$:= 6/6 + ((6 + 6) \times ((6666/6) - 66))$$

$$:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - ((7 + 7 + 7)/7)$$

$$:= 8 + (((8 + 8) \times (((8 \times (88 + 8)) + 8) + 8)) - 88/8)$$

$$:= (((999 + 9)/9)^{(9+9)/9}) - ((9 + 9 + 9)/9)$$

$$\blacktriangleright 12542 := ((1 + 111)^{1+1}) - (1 + 1)$$

$$:= (((222 + 2)/2)^2) - 2$$

$$:= 3/3 + (((333 + 3)/3)^{3-3/3}) - 3$$

$$:= 4^4 + ((4^4 \times (44 + 4)) - ((4 + 4)/4))$$

$$:= ((5 + 5)/5) + ((5 - 5/5) \times (5^5 + 5 + 5))$$

$$:= (((666 + 6)/6)^{(6+6)/6}) - ((6 + 6)/6)$$

$$:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - ((7 + 7)/7)$$

$$:= ((8 + 8) \times (((8 \times (88 + 8)) + 8) + 8)) - ((8 + 8)/8)$$

$$:= (((999 + 9)/9)^{(9+9)/9}) - ((9 + 9)/9)$$

$$\blacktriangleright 12543 := ((1 + 111)^{1+1}) - 1$$

$$:= 222 + ((222/2)^2)$$

$$:= 3 + ((333 - 3) \times ((33/3) + 3^3))$$

$$:= 4^4 + ((4^4 \times (44 + 4)) - 4/4)$$

$$:= (555/5) \times (((555 + 5) + 5)/5)$$

$$:= (666/6) \times (((666 + 6) + 6)/6)$$

$$:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - 7/7$$

$$:= (888/8) \times (((888 + 8) + 8)/8)$$

$$:= (999/9) \times (((999 + 9) + 9)/9)$$

$$\blacktriangleright 12544 := (1 + 111)^{1+1}$$

$$:= ((222 + 2)/2)^2$$

$$:= (((333 + 3)/3)^{3-3/3})$$

$$:= 4^4 + (4^4 \times (44 + 4))$$

$$:= (5 - 5/5) \times ((55/5) + 5^5)$$

$$:= ((666 + 6)/6)^{(6+6)/6}$$

$$:= 7 \times ((7 + 7) \times (((7 + 7)/7)^7))$$

$$:= (8 + 8) \times (((8 \times (88 + 8)) + 8) + 8)$$

$$:= ((999 + 9)/9)^{(9+9)/9}$$

$$\blacktriangleright 12545 := 1 + ((1 + 111)^{1+1})$$

$$:= 2/2 + (((222 + 2)/2)^2)$$

$$:= 3/3 + (((333 + 3)/3)^{3-3/3})$$

$$:= 4/4 + ((4^4 \times (44 + 4)) + 4^4)$$

$$:= 5 + ((5 - 5/5) \times (5^5 + 5 + 5))$$

$$:= 6/6 + (((666 + 6)/6)^{(6+6)/6})$$

$$:= 7/7 + (7 \times ((7 + 7) \times (((7 + 7)/7)^7)))$$

$$:= 8/8 + ((8 + 8) \times (((8 \times (88 + 8)) + 8) + 8))$$

$$:= 9/9 + (((999 + 9)/9)^{(9+9)/9})$$

$$\blacktriangleright 12546 := 1 + (1 + ((1 + 111)^{1+1}))$$

$$:= 2 + (((222 + 2)/2)^2)$$

$$:= (3 + 3) \times ((3 \times ((3^{3+3}) - 33)) + 3)$$

$$:= 4^4 + ((4^4 \times (44 + 4)) + ((4 + 4)/4))$$

$$:= 5 + (((5 - 5/5) \times (5^5 + 5 + 5)) + 5/5)$$

$$:= 666 + (6 \times (66 \times (6 \times 6 - 6)))$$

$$:= ((7 + 7)/7) + (7 \times ((7 + 7) \times (((7 + 7)/7)^7)))$$

$$:= ((8 + 8)/8) + ((8 + 8) \times (((8 \times (88 + 8)) + 8) + 8))$$

$$:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + 9)$$

$$\blacktriangleright 12547 := 1 + (1 + (1 + ((1 + 111)^{1+1})))$$

$$:= 2 + (((222 + 2)/2)^2) + 2/2$$

$$:= 3 + (((333 + 3)/3)^{3-3/3})$$

$$:= 4 + (((4^4 \times (44 + 4)) - 4/4) + 4^4)$$

$$:= 55 + ((5 - 5/5) \times (5^5 - ((5 + 5)/5)))$$

$$:= 6/6 + ((6 \times (66 \times (6 \times 6 - 6))) + 666)$$

$$:= ((7 + 7 + 7)/7) + (7 \times ((7 + 7) \times (((7 + 7)/7)^7)))$$

$$:= 88/8 + (((8 + 8) \times (((8 \times (88 + 8)) + 8) + 8)) - 8)$$

$$:= 9/9 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + 9))$$

$$\blacktriangleright 12548 := 1 + (1 + (1 + (1 + ((1 + 111)^{1+1}))))$$

$$:= 2 + (((222 + 2)/2)^2) + 2$$

$$:= 3 + (((333 + 3)/3)^{3-3/3}) + 3/3$$

$$:= 4 + ((4^4 \times (44 + 4)) + 4^4)$$

$$:= (5 - 5/5) \times (((55 + 5)/5) + 5^5)$$

$$:= (66 \times 66) + (((6 + 6)/6)^{6/6+6+6})$$

$$:= (77/7) + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - 7)$$

$$:= (8 \times ((8 \times 8) - 8)) + (((888 - 8)/8)^{(8+8)/8})$$

$$:= ((9 + 9)/9) + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + 9))$$

$$\blacktriangleright 12549 := 1 + (1 + (1 + (1 + (1 + ((1 + 111)^{1+1}))))))$$

$$:= 2 + (((222 + 2)/2)^2) + 2/2 + 2$$

$$:= 3 + ((3 + 3) \times ((3 \times ((3^{3+3}) - 33)) + 3))$$

$$:= 4 + (((4^4 \times (44 + 4)) + 4^4) + 4/4)$$

$$:= 5 + ((5 - 5/5) \times ((55/5) + 5^5))$$

$$:= 6 + ((666/6) \times (((666 + 6) + 6)/6))$$

$$:= 7 + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - ((7 + 7)/7))$$

$$:= (8/8 + 88) \times ((88 - 88/8) + (8 \times 8))$$

$$:= ((9 + 9 + 9)/9) + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + 9))$$

$$\blacktriangleright 12550 := ((1 + 1) \times (1 + 1 + 1)) + ((1 + 111)^{1+1})$$

$$:= 2 + (((222 + 2)/2)^2) + 2 + 2$$

$$:= 3 + (((333 + 3)/3)^{3-3/3}) + 3$$

$$:= 4 + (((4^4 \times (44 + 4)) + ((4 + 4)/4)) + 4^4)$$

$$:= (5 \times (5^5 + 5 + 5)) - 5^5$$

$$:= 6 + (((666 + 6)/6)^{(6+6)/6})$$

$$:= 7 + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - 7/7)$$

$$:= 8 + (((8 + 8) \times (((8 \times (88 + 8)) + 8) + 8)) - ((8 + 8)/8))$$

$$:= (9/9 + 9) \times (((9 + 9)/9)^{9-9/9}) + 999$$

$$\begin{aligned}
\blacktriangleright 12551 &:= 1 + (((1+1) \times (1+1+1)) + ((1+111)^{1+1})) \\
&:= (22 \times ((22+2)^2)) - ((22/2)^2) \\
&:= (33/3) \times (((3333/3) + 3^3) + 3) \\
&:= (44 \times (4^4 + 4)) + (4444/4) \\
&:= 55 + ((5-5/5) \times (5^5 - 5/5)) \\
&:= 6 + (((666+6)/6)^{(6+6)/6}) + 6/6) \\
&:= 7 + (7 \times ((7+7) \times (((7+7)/7)^7))) \\
&:= 8 + ((888/8) \times (((888+8) + 8)/8)) \\
&:= (9 - ((9+9)/9)) \times (((9+9) \times 99) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12552 &:= 11 + (((1+111)^{1+1}) - (1+1+1)) \\
&:= (2 \times (2+2)) + (((222+2)/2)^2) \\
&:= 3^{3 \times 3} - ((33 \times ((3+3)^3)) + 3) \\
&:= 4 + (((4^4 \times (44+4)) + 4^4) + 4) \\
&:= ((5+5)/5) + ((5 \times (5^5 + 5+5)) - 5^5) \\
&:= 6 + ((6 \times (66 \times (6 \times 6 - 6))) + 666) \\
&:= 7 + ((7 \times ((7+7) \times (((7+7)/7)^7))) + 7/7) \\
&:= 8 + ((8+8) \times (((8 \times (88+8)) + 8) + 8)) \\
&:= 9 + ((999/9) \times (((999+9) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12553 &:= 11 + (((1+111)^{1+1}) - (1+1)) \\
&:= (22/2) + (((222+2)/2)^2) - 2) \\
&:= 3 \times 3 + (((333+3)/3)^{3-3/3}) \\
&:= 4 + (((4^4 \times (44+4)) + 4^4) + 4/4) + 4) \\
&:= 5 + ((5-5/5) \times (((55+5)/5) + 5^5)) \\
&:= (6 \times ((6 \times (6 \times (66-6))) - 66)) - (66/6) \\
&:= 7 + ((7 \times ((7+7) \times (((7+7)/7)^7))) + (7+7)/7) \\
&:= 8 + (((8+8) \times (((8 \times (88+8)) + 8) + 8)) + 8/8) \\
&:= 9 + (((999+9)/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12554 &:= 11 + (((1+111)^{1+1}) - 1) \\
&:= 2 + (((222+2)/2)^2) + (2 \times (2+2))) \\
&:= 3^{3 \times 3} - ((33 \times ((3+3)^3)) + 3/3) \\
&:= 4^4 + ((4^4 \times (44+4)) + ((44-4)/4)) \\
&:= 55 + ((5 \times 5^5) - (5^5 + 5/5)) \\
&:= 6 + (((6+6)/6)^{6/6+6+6}) + (66 \times 66) \\
&:= ((77-7)/7) + (7 \times ((7+7) \times (((7+7)/7)^7))) \\
&:= 8 + (((8+8) \times (((8 \times (88+8)) + 8) + 8)) + ((8+8)/8)) \\
&:= (9 \times (((9 \times (9 \times (9+9)) - 9)) + 9) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12555 &:= 11 + ((1+111)^{1+1}) \\
&:= (22/2) + (((222+2)/2)^2) \\
&:= 3^{3 \times 3} - (33 \times ((3+3)^3)) \\
&:= 4^4 + ((4^4 \times (44+4)) + 44/4) \\
&:= 55 + (5^5 \times (5-5/5)) \\
&:= (66/6) + (((666+6)/6)^{(6+6)/6}) \\
&:= (77/7) + (7 \times ((7+7) \times (((7+7)/7)^7))) \\
&:= 88/8 + ((8+8) \times (((8 \times (88+8)) + 8) + 8)) \\
&:= 9 \times (((9 \times (9 \times (9+9)) - 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12556 &:= 1 + (11 + ((1+111)^{1+1})) \\
&:= (2 \times (2+2+2)) + (((222+2)/2)^2) \\
&:= 3/3 + ((3^{3 \times 3}) - (33 \times ((3+3)^3))) \\
&:= 4^4 + ((4-4/4) \times (((4+4)^4) + 4)) \\
&:= 55 + ((5^5 \times (5-5/5)) + 5/5) \\
&:= 6 + (((666+6)/6)^{(6+6)/6}) + 6) \\
&:= ((77+7)/7) + (7 \times ((7+7) \times (((7+7)/7)^7))) \\
&:= ((88+8)/8) + ((8+8) \times (((8 \times (88+8)) + 8) + 8)) \\
&:= 9/9 + (9 \times (((9 \times (9 \times (9+9)) - 9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12557 &:= 1 + (1 + (11 + ((1+111)^{1+1}))) \\
&:= 2 + (((222+2)/2)^2) + (22/2) \\
&:= 3 + ((3^{3 \times 3}) - ((33 \times ((3+3)^3)) + 3/3)) \\
&:= ((44/4)^4) - (((4+4) \times (4^4 + 4)) + 4) \\
&:= 55 + ((5^5 \times (5-5/5)) + ((5+5)/5)) \\
&:= ((6 \times 6) - (6/6+6)) \times ((6 \times (66+6)) + 6/6) \\
&:= 7 + (((7 \times ((7+7) \times (((7+7)/7)^7))) - 7/7) + 7) \\
&:= 8 + ((8/8+88) \times ((88-88/8) + (8 \times 8))) \\
&:= ((9+9)/9) + (9 \times (((9 \times (9 \times (9+9)) - 9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12558 &:= 1 + (1 + (1 + (11 + ((1+111)^{1+1})))) \\
&:= ((22/2) + 2) \times ((2 \times 2^2) - 2) \\
&:= 3 + ((3^{3 \times 3}) - (33 \times ((3+3)^3))) \\
&:= (44 - ((4+4)/4)) \times ((44-4/4) + 4^4) \\
&:= 5 + (((5-5/5) \times (((55+5)/5) + 5^5)) + 5) \\
&:= (6 \times ((6 \times (6 \times (66-6))) - 66)) - 6 \\
&:= 7 + ((7 \times ((7+7) \times (((7+7)/7)^7))) + 7) \\
&:= ((8 - ((8+8)/8)) + 8) \times ((888+8/8) + 8) \\
&:= (9/9 - (9 \times (9+9))) \times (((9+9+9)/9) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12559 &:= 1 + (1 + (1 + (1 + (11 + ((1+111)^{1+1})))))) \\
&:= 2 + (((222+2)/2)^2) + (22/2) + 2) \\
&:= 3 + (((3^{3 \times 3}) - (33 \times ((3+3)^3))) + 3/3) \\
&:= 4 + (((4^4 \times (44+4)) + 44/4) + 4^4) \\
&:= 55 + ((5-5/5) \times (5^5 + 5/5)) \\
&:= 6/6 + ((6 \times ((6 \times (6 \times (66-6))) - 66)) - 6) \\
&:= 7 + (((7 \times ((7+7) \times (((7+7)/7)^7))) + 7/7) + 7) \\
&:= 8 + (((888/8) \times (((888+8) + 8)/8)) + 8) \\
&:= 9 + ((9/9+9) \times (((9+9)/9)^{9-9/9} + 999))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12560 &:= ((1+1)^{1+1+1+1}) + ((1+111)^{1+1}) \\
&:= (2^{2+2}) + (((222+2)/2)^2) \\
&:= 3 + (((3^{3 \times 3}) - ((33 \times ((3+3)^3)) + 3/3)) + 3) \\
&:= 4 \times ((4 \times (4 \times ((4 \times (44+4)) + 4))) + 4) \\
&:= 5 + ((5^5 \times (5-5/5)) + 55) \\
&:= ((6+6)/6) + ((6 \times ((6 \times (6 \times (66-6))) - 66)) - 6) \\
&:= (((7+7)/7+7) + 7) \times (((777+7/7) + 7) \\
&:= 8 + (((8+8) \times (((8 \times (88+8)) + 8) + 8)) + 8) \\
&:= (9 \times (9 \times (9+9))) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12561 &:= (111^{1+1}) + ((1+1) \times ((11^{1+1}) - 1)) \\
 &:= (22^2/2) + (((222/2)^2) - 2) \\
 &:= 3 + (((3^{3 \times 3}) - (33 \times ((3+3)^3))) + 3) \\
 &:= ((44/4)^4) - ((4+4) \times (4^4 + 4)) \\
 &:= 5 + (((5^5 \times (5 - 5/5)) + 55) + 5/5) \\
 &:= 6 + (((666 + 6)/6)^{(6+6)/6}) + (66/6) \\
 &:= 7 + ((7 \times ((7+7) \times (((7+7)/7)^7))) + ((77 - 7)/7)) \\
 &:= (88 \times ((8 \times (8+8) + 8) + 8)) - (888/8) \\
 &:= 9 + (((999/9) \times (((999+9) + 9)/9)) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12566 &:= 11 + (11 + ((1+111)^{1+1})) \\
 &:= 22 + (((222+2)/2)^2) \\
 &:= 3^{3 \times 3} + ((33/3) - (33 \times ((3+3)^3))) \\
 &:= 4 + (((44/4)^4) - ((4+4) \times (4^4 + 4))) + 4/4 \\
 &:= 55 + (((5^5 \times (5 - 5/5)) + (55/5))) \\
 &:= ((6+6)/6) + (6 \times ((6 \times (6 \times (66 - 6)))) - 66) \\
 &:= 7 + (((7 \times ((7+7) \times (((7+7)/7)^7))) + 7/7) + 7) + 7) \\
 &:= ((888/8) - 8) \times ((888 + 88)/8) \\
 &:= (99/9) + (9 \times (((9 \times (9 \times (9+9)) - 9)) + 9) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12562 &:= (111^{1+1}) + (((1+1) \times (11^{1+1})) - 1) \\
 &:= (22^2 \times (22 + 2 + 2)) - 22 \\
 &:= (3 \times (3+3)) + (((333+3)/3)^{3-3/3}) \\
 &:= 4/4 + (((44/4)^4) - ((4+4) \times (4^4 + 4))) \\
 &:= 5 + (((5^5 \times (5 - 5/5)) + ((5+5)/5)) + 55) \\
 &:= 6 + (((((666 + 6)/6)^{(6+6)/6}) + 6) + 6) \\
 &:= (((7+7)/7)^{7+7}) - (7 \times ((7 \times 77) + 7)) \\
 &:= (88/8) \times ((8+8) \times ((8 \times 8) + 8)) + ((8 - 88)/8) \\
 &:= 9 + (((999+9)/9)^{(9+9)/9}) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12567 &:= 1 + (11 + (11 + ((1+111)^{1+1}))) \\
 &:= 22 + (((222+2)/2)^2) + 2/2 \\
 &:= (((3+3)^3) - 3) \times ((33 - 3/3) + 3^3) \\
 &:= (4 - 4/4) \times ((4444 - 4^4) + 4/4) \\
 &:= 55 + (((55+5)/5) - 5^5) + (5 \times 5^5) \\
 &:= ((66 - 6/6) + 6) \times (666/6 + 66) \\
 &:= ((7/7 - 7) + 77) \times (((7+7)/7)^7) + (7 \times 7) \\
 &:= 88 + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) - 8/8) \\
 &:= 9 + ((9/9 - (9 \times (9+9))) \times (((9+9+9)/9) - (9 \times 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12563 &:= (111^{1+1}) + ((1+1) \times (11^{1+1})) \\
 &:= (22^2/2) + ((222/2)^2) \\
 &:= (33 \times (3 \times 3 + 3)) + ((3^3 - (3/3 + 3))^3) \\
 &:= ((4^4 - 4)/4) + (4 \times ((4/4 + 4)^{4/4+4})) \\
 &:= 55 + ((5 - 5/5) \times (((5+5)/5) + 5^5)) \\
 &:= (6 \times ((6 \times (6 \times (66 - 6))) - 66)) - 6/6 \\
 &:= 7 + ((7 \times ((7+7) \times (((7+7)/7)^7))) + ((77+7)/7)) \\
 &:= 8 + (((8+8) \times (((8 \times (88+8)) + 8) + 8)) + (88/8)) \\
 &:= ((9 - 9/9) + 9) \times (((9 \times (9 \times 9)) + 9/9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12568 &:= ((1+1) \times (1+11)) + ((1+111)^{1+1}) \\
 &:= 2 + (((222+2)/2)^2) + 22 \\
 &:= 3^3 + (((333+3)/3)^{3-3/3}) - 3) \\
 &:= 4 + (4 \times (((4/4 + 4)^{4/4+4}) + 4 \times 4)) \\
 &:= (5 - 5/5) \times (((55+5)/5) + 5^5) + 5) \\
 &:= 6 + (((((666 + 6)/6)^{(6+6)/6}) + 6) + 6) + 6) \\
 &:= 7777 + ((7 \times (7 \times (7 \times (7+7)))) - (77/7)) \\
 &:= 88 + ((8+8+8) \times ((8 \times 8 \times 8) + 8)) \\
 &:= (9 \times (9 \times (9+9))) + ((9/9+9) \times 9999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12564 &:= ((1+1) \times (11 - 1)) + ((1+111)^{1+1}) \\
 &:= 22 + (((222+2)/2)^2) - 2) \\
 &:= 3 \times ((3 \times ((3 \times 3 + 3)^3) - 333)) + 3) \\
 &:= 4 \times (((4/4 + 4)^{4/4+4}) + 4 \times 4) \\
 &:= (5 - 5/5) \times (((55/5) + 5^5) + 5) \\
 &:= 6 \times ((6 \times (6 \times (66 - 6))) - 66) \\
 &:= (7 \times 7 \times 7) + ((77/7) \times (7777/7)) \\
 &:= (8/8 + 8) \times ((88 \times (8+8)) - ((88+8)/8)) \\
 &:= 9 + (9 \times (((9 \times (9 \times (9+9)) - 9)) + 9) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12569 &:= 1 + (((1+1) \times (1+11)) + ((1+111)^{1+1})) \\
 &:= 2 + (((222+2)/2)^2) + 22 + 2/2 \\
 &:= 3 + (((33/3) - (33 \times ((3+3)^3))) + (3^{3 \times 3})) \\
 &:= 4 + (((44/4)^4) - ((4+4) \times (4^4 + 4))) + 4) \\
 &:= 5 + ((5 - 5/5) \times (((55/5) + 5^5) + 5)) \\
 &:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) - 66)) - 6/6) \\
 &:= 7 + (((7+7)/7)^{7+7}) - (7 \times ((7 \times 77) + 7)) \\
 &:= 8/8 + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) + 88) \\
 &:= (9 \times (9 \times (9+9))) + (99999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12565 &:= 11 + (11 + (((1+111)^{1+1}) - 1)) \\
 &:= 2 + (((222/2)^2) + (22^2/2)) \\
 &:= 3 + (((333+3)/3)^{3-3/3}) + (3 \times (3+3)) \\
 &:= 4 + (((44/4)^4) - ((4+4) \times (4^4 + 4))) \\
 &:= 5 + (((5^5 \times (5 - 5/5)) + 55) + 5) \\
 &:= 6/6 + (6 \times ((6 \times (6 \times (66 - 6))) - 66)) \\
 &:= 7 + (((7 \times ((7+7) \times (((7+7)/7)^7))) + 7) + 7) \\
 &:= ((8/8+8) \times ((88 \times (8+8)) - 88/8)) - 8 \\
 &:= 9 + (9 \times (((9 \times (9 \times (9+9)) - 9)) + 9) + 9) + 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12570 &:= ((1+1) \times (1+1+11)) + ((1+111)^{1+1}) \\
 &:= 2 + (((222+2)/2)^2) + 22 + 2) \\
 &:= (3^3 + 3) \times (((3^3 - 3)^3) + 3)/33) \\
 &:= (4 - 4/4) \times ((4444 - 4^4) + ((4+4)/4)) \\
 &:= 55 + (((5 - 5/5) \times (5^5 + 5)) - 5) \\
 &:= 6 + (6 \times ((6 \times (6 \times (66 - 6))) - 66)) \\
 &:= ((7/7 + 7) + 7) \times (((77 \times 77) - (7+7))/7) - 7) \\
 &:= 88 + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) + ((8+8)/8)) \\
 &:= 9/9 + ((99999/9) + (9 \times (9 \times (9+9))))
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12571 &:= ((1+1+1)^{1+1+1}) + ((1+111)^{1+1}) \\
&:= ((22/2)+2) \times ((2 \times 22^2) - 2/2) \\
&:= 3^3 + (((333+3)/3)^{3-3/3}) \\
&:= (44 \times (44+4^4)) - (((4/4+4)^4) + 4) \\
&:= 55 + ((5-5/5) \times ((5^5-5/5)+5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66-6))) - 66)) + 6/6) \\
&:= 7 + (((77/7) \times (7777/7)) + (7 \times 7 \times 7)) \\
&:= ((88+8+8)/8) \times (((88 \times 88) - 8)/8) \\
&:= 9 + (((((999+9)/9)^{(9+9)/9}) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12572 &:= 1 + (((1+1+1)^{1+1+1}) + ((1+111)^{1+1})) \\
&:= 2 + ((((((222+2)/2)^2) + 22) + 2) + 2) \\
&:= (33 \times ((3 \times ((3 \times 33) + 3^3)) + 3)) - 3/3 \\
&:= 44 + ((4+4+4) \times ((4 \times (4^4+4)) + 4)) \\
&:= (5-5/5) \times (((55+5+5)/5) + 5^5) + 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66-6))) - 66)) + ((6+6)/6)) \\
&:= 77 + (7 \times (((7+7) \times (((7+7)/7)^7) - 7)) \\
&:= 8 + ((8/8+8) \times ((88 \times (8+8)) - ((88+8)/8))) \\
&:= 9 + (((9-9/9)+9) \times (((9 \times (9 \times 9)) + 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12573 &:= 11 \times (1111 + ((11 \times (1+1+1)) - 1)) \\
&:= (22^2 \times (22+2+2)) - (22/2) \\
&:= 33 \times ((3 \times ((3 \times 33) + 3^3)) + 3) \\
&:= 4^4 + (((444/4)^{(4+4)/4}) - 4) \\
&:= 5 + ((5-5/5) \times (((55+5)/5) + 5^5) + 5) \\
&:= (6 \times (6 \times 6 + 6)) + ((666/6)^{(6+6)/6}) \\
&:= ((7 \times (7+7)) + 7/7) \times ((7/7+77) + (7 \times 7)) \\
&:= (8/8+8) \times ((88 \times (8+8)) - 88/8) \\
&:= 99 + (9 \times ((9 \times ((9 \times (9+9)) - 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12574 &:= (111^{1+1}) + (11 \times (1+11+11)) \\
&:= 22 + (((222+2)/2)^2) + (2 \times (2+2)) \\
&:= 3 + (((333+3)/3)^{3-3/3}) + 3^3 \\
&:= 4/4 + (((444/4)^{(4+4)/4}) - 4) + 4^4 \\
&:= 55 + (((5-5/5) \times (5^5+5)) - 5/5) \\
&:= 6 \times 6 + (((666+6)/6)^{(6+6)/6}) - 6) \\
&:= 7 + (((7/7-7) + 77) \times (((7+7)/7)^7) + (7 \times 7)) \\
&:= 8 + (((888/8) - 8) \times ((888+88)/8)) \\
&:= 9/9 + ((9 \times ((9 \times ((9 \times (9+9)) - 9)) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12575 &:= 1 + ((111^{1+1}) + (11 \times (1+11+11))) \\
&:= (2^{2 \times (2+2)}) + (((222/2)^2) - 2) \\
&:= 3 + ((33 \times ((3 \times ((3 \times 33) + 3^3)) + 3)) - 3/3) \\
&:= (44 \times (44+4^4)) - ((4/4+4)^4) \\
&:= 5 \times (5^5 - (555+55)) \\
&:= (66/6) + (6 \times ((6 \times (6 \times (66-6))) - 66)) \\
&:= (7 \times 7 \times 7) + ((77/7) \times ((7777+7)/7)) \\
&:= ((8/8+8+8) + 8) \times ((8 \times 8 \times 8) - (8/8+8)) \\
&:= (9 - (((9+9)/9)^9)) \times (((9+9)/9) - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12576 &:= (11 \times (1+1+1)) + (((1+111)^{1+1}) - 1) \\
&:= 2 \times ((22+2) \times (22^2 - 222)) \\
&:= 3 + (33 \times ((3 \times ((3 \times 33) + 3^3)) + 3)) \\
&:= (4+4+4) \times (((4 \times (4^4+4)) + 4) + 4) \\
&:= 55 + (((5-5/5) \times (5^5+5)) + 5/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66-6))) - 66)) + 6) \\
&:= 7 + (((((7+7)/7)^{7+7}) - (7 \times ((7 \times 77) + 7))) + 7) \\
&:= 8 + (((8+8+8) \times ((8 \times 8 \times 8) + 8)) + 88) \\
&:= (999/9) + ((9 \times ((9 \times ((9 \times (9+9)) - 9)) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12577 &:= (11 \times (1+1+1)) + ((1+111)^{1+1}) \\
&:= (2^{2 \times (2+2)}) + ((222/2)^2) \\
&:= 33 + (((333+3)/3)^{3-3/3}) \\
&:= 4^4 + (((444/4)^{(4+4)/4}) \\
&:= 55 + (((5-5/5) \times (5^5+5)) + ((5+5)/5)) \\
&:= 6 + (((6 \times ((6 \times (6 \times (66-6))) - 66)) + 6/6) + 6) \\
&:= (((((7+7)/7)^7) - 7) \times ((777/7) - 7)) - 7 \\
&:= ((8+8) \times (8+8)) + ((888/8)^{(8+8)/8}) \\
&:= (9 \times (9 \times (9 \times (9+9)))) - (((99 \times 99) + 9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12578 &:= 1 + ((11 \times (1+1+1)) + ((1+111)^{1+1})) \\
&:= (2 \times ((2 \times (2 \times (22-2)))^2) - 222 \\
&:= ((33/3) + 3^3) \times ((333-3) + 3/3) \\
&:= 4/4 + (((444/4)^{(4+4)/4}) + 4^4) \\
&:= 55 + ((5 \times (5^5+5)) - (((5+5)/5) + 5^5)) \\
&:= ((6/6+6+6) + 6) \times (((6+6)/6) - 6) + 666) \\
&:= 7777 + ((7 \times (7 \times (7 \times (7+7)))) - 7/7) \\
&:= (((8 - ((8+8)/8)) + 8) \times (888 + (88/8))) - 8 \\
&:= 9 + ((99999/9) + (9 \times (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12579 &:= 1 + (1 + ((11 \times (1+1+1)) + ((1+111)^{1+1}))) \\
&:= 2 + (((222/2)^2) + (2^{2 \times (2+2)})) \\
&:= (3 \times ((3+3) \times (((3^3+3) - 33) + 3))) - 3 \\
&:= ((4 \times 4 + 4) \times (((4/4+4)^4) + 4)) - 4/4 \\
&:= 55 + ((5-5/5) \times ((5^5+5/5) + 5)) \\
&:= 6 + (((666/6)^{(6+6)/6}) + (6 \times (6 \times 6 + 6))) \\
&:= 7777 + (7 \times (7 \times (7 \times (7+7)))) \\
&:= (((88/8) - 8)^{8/8+8}) - (8 \times 888) \\
&:= (((9-9/9) + 9) \times ((9 \times (9 \times 9)) + (99/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12580 &:= ((1+1+1) \times (1+11)) + ((1+111)^{1+1}) \\
&:= 2 \times ((22^2 \times (22/2+2) - 2) \\
&:= 3 + (((333+3)/3)^{3-3/3}) + 33) \\
&:= (4 \times 4 + 4) \times (((4/4+4)^4) + 4) \\
&:= 55 + ((5 \times (5^5+5)) - 5^5) \\
&:= 6 \times 6 + (((666+6)/6)^{(6+6)/6}) \\
&:= 7/7 + ((7 \times (7 \times (7 \times (7+7)))) + 7777) \\
&:= (((88+8)/8) + 8) \times ((8 \times (88-8)) - 88/8) \\
&:= ((9-9/9) + 9) \times ((9 \times (9 \times 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12581 &:= (111/(1+1+1)) + ((1+111)^{1+1}) \\
&:= (22^2 \times (22+2+2)) - (2/2+2) \\
&:= (((3 \times 3) + 3/3) \times ((33/3)^3)) - (3^{3+3}) \\
&:= 4 + (((444/4)^{(4+4)/4}) + 4^4) \\
&:= 55 + (((5 \times (5^5 + 5)) - 5^5) + 5/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) - 66)) + (66/6)) \\
&:= ((7+7)/7) + ((7 \times (7 \times (7 \times (7+7)))) + 7777) \\
&:= 8 + ((8/8+8) \times ((88 \times (8+8)) - 88/8)) \\
&:= 999 + ((99 \times (99+9+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12582 &:= (11^{1+1+1+1}) - (11 + ((1+1)^{11})) \\
&:= (22^2 \times (22+2+2)) - 2 \\
&:= 3 \times ((3+3) \times (((3^{3+3}) - 33) + 3)) \\
&:= ((4+4)/4) + ((4 \times 4+4) \times (((4/4+4)^4) + 4)) \\
&:= 55 + (((5 \times (5^5 + 5)) - 5^5) + ((5+5)/5)) \\
&:= 666 + (6 \times ((66 \times (6 \times 6 - 6)) + 6)) \\
&:= (7 - 7/7) \times (((7+7)/7)^{77/7}) + (7 \times 7) \\
&:= (8/8+8) \times (((8-88)/8) + (88 \times (8+8))) \\
&:= 999 + (99 \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12583 &:= (11 \times (1111 + (11 \times (1+1+1)))) - 1 \\
&:= (22^2 \times (22+2+2)) - 2/2 \\
&:= 3/3 + (3 \times ((3+3) \times (((3^{3+3}) - 33) + 3))) \\
&:= 4 + (((4 \times 4+4) \times (((4/4+4)^4) + 4)) - 4/4) \\
&:= 55 + ((5 - 5/5) \times (((5+5)/5) + 5^5) + 5) \\
&:= ((6 - 6/6)^6) - ((6 \times (6 \times 66)) + 666) \\
&:= ((7 - 7/7) \times (((7+7+7)/7)^7)) - (7 \times 77) \\
&:= (88 \times ((8 \times (8+8) + 8) + 8)) - (8/8+88) \\
&:= 9/9 + ((99 \times (99+9+9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12584 &:= 11 \times (1111 + (11 \times (1+1+1))) \\
&:= 22^2 \times (22+2+2) \\
&:= (33/3) \times ((3333/3) + 33) \\
&:= 4 + ((4 \times 4+4) \times (((4/4+4)^4) + 4)) \\
&:= (5 - 5/5) \times (((55/5) + 5^5) + 5) + 5 \\
&:= (66/6) \times ((6 \times (6 \times (6 \times 6 - 6))) + (((6+6)/6)^6)) \\
&:= (((7+7)/7)^7) - 7 \times ((777/7) - 7) \\
&:= 88 \times (((8 \times (8+8)) - 8/8) + 8) + 8 \\
&:= 9 + (9 - ((9+9)/9)^9) \times (((9+9)/9) - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12585 &:= 1 + (11 \times (1111 + (11 \times (1+1+1)))) \\
&:= 2/2 + (22^2 \times (22+2+2)) \\
&:= 3 \times (((3/3+3)^{3+3}) + (3 \times 33)) \\
&:= ((44/4)^4) - (((4^4 \times (4+4)) + 4) + 4) \\
&:= 5 + (((5 \times (5^5 + 5)) - 5^5) + 55) \\
&:= (((6+6)/6)^6) - 6 \times ((6 \times 6 \times 6) + 6/6) - 6/6 \\
&:= ((7/7+7) + 7) \times (((77 \times 77) - 7)/7) - 7 \\
&:= 8/8 + (88 \times (((8 \times (8+8)) - 8/8) + 8) + 8) \\
&:= (999/9) + (9 \times ((9 \times (9 \times (9+9)) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12586 &:= 1 + (1 + (11 \times (1111 + (11 \times (1+1+1)))))) \\
&:= 2 + (22^2 \times (22+2+2)) \\
&:= 3/3 + (3 \times (((3/3+3)^{3+3}) + (3 \times 33))) \\
&:= 4 + (((4 \times 4+4) \times (((4/4+4)^4) + 4)) + ((4+4)/4)) \\
&:= (5 \times (5^5 - 5)) + ((555/5) - 5^5) \\
&:= (((6+6)/6)^6) - 6 \times ((6 \times 6 \times 6) + 6/6) \\
&:= (7 \times (((7+7) \times (((7+7)/7)^7)) + 7)) - 7 \\
&:= ((8 - ((8+8)/8)) + 8) \times (888 + (88/8)) \\
&:= ((999+9)/9) + (9 \times ((9 \times (9 \times (9+9)) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12587 &:= (111^{1+1}) + ((1+1) \times (1 + (11 \times (1+1)))) \\
&:= 2 + ((22^2 \times (22+2+2)) + 2/2) \\
&:= 3 + ((33/3) \times ((3333/3) + 33)) \\
&:= 44 + (((4^4 \times (44+4)) - 4/4) + 4^4) \\
&:= 55 + (((5+5)/5)^5 - 5^5) + (5 \times 5^5) \\
&:= ((6 - 66) \times (6 - (6 \times 6 \times 6))) - (6/6+6+6) \\
&:= 7/7 + ((7 \times ((7+7) \times (((7+7)/7)^7)) + 7) - 7 \\
&:= 8 + (((88/8) - 8)^{8/8+8}) - (8 \times 888) \\
&:= 9 + (((99999/9) + (9 \times (9 \times (9+9)))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12588 &:= ((1+1) \times (11+11)) + ((1+111)^{1+1}) \\
&:= 2 + ((22^2 \times (22+2+2)) + 2) \\
&:= 3 + (3 \times (((3/3+3)^{3+3}) + (3 \times 33))) \\
&:= 44 + ((4^4 \times (44+4)) + 4^4) \\
&:= (5 - 5/5) \times (((55+55)/5) + 5^5) \\
&:= ((6 - 66) \times (6 - (6 \times 6 \times 6))) - (6+6) \\
&:= ((7+7)/7) + ((7 \times (((7+7) \times (((7+7)/7)^7)) + 7)) - 7 \\
&:= ((88+8)/8) \times (((88 \times (88+8)) + 8)/8) - 8 \\
&:= (((9-9/9) + 9) \times (((99+9)/9) + (9 \times (9 \times 9)))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12589 &:= 1 + (((1+1) \times (11+11)) + ((1+111)^{1+1})) \\
&:= 2 + (((22^2 \times (22+2+2)) + 2/2) + 2) \\
&:= 3 + ((3 \times (((3/3+3)^{3+3}) + (3 \times 33))) + 3/3) \\
&:= ((44/4)^4) - ((4^4 \times (4+4)) + 4) \\
&:= (5 \times 5^5) - ((55 \times 55) + (55/5)) \\
&:= ((6 - 66) \times (6 - (6 \times 6 \times 6))) - (66/6) \\
&:= 7 + ((7 - 7/7) \times (((7+7)/7)^{77/7}) + (7 \times 7)) \\
&:= ((8/8+8) \times ((88 \times (8+8)) - 8)) - (88/8) \\
&:= 9 + (((9-9/9) + 9) \times ((9 \times (9 \times 9)) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12590 &:= ((1+111)^{1+1}) + ((1+1) \times (1+11+11)) \\
&:= 2 + (((22^2 \times (22+2+2)) + 2) + 2) \\
&:= 3 + (((33/3) \times ((3333/3) + 33)) + 3) \\
&:= 4/4 + (((44/4)^4) - ((4^4 \times (4+4)) + 4)) \\
&:= (5 \times 5^5) - (((55 \times 55) + 5) + 5) \\
&:= ((6 - 66)/6) + ((6 - 66) \times (6 - (6 \times 6 \times 6))) \\
&:= 7 + (((7 - 7/7) \times (((7+7+7)/7)^7)) - (7 \times 77)) \\
&:= 8 + ((8/8+8) \times (((8 - 88)/8) + (88 \times (8+8)))) \\
&:= 9 + (((99 \times (99+9+9)) - 9/9) + 999)
\end{aligned}$$

- ▶ **12591** := $(11^{1+1+1+1}) - (1 + (1 + ((1 + 1)^{11})))$
:= $((22/2)^{2+2}) - ((2^{22/2}) + 2)$
:= $3 \times (((3 + 3) \times ((3^3+3) - 33) + 3)) + 3$
:= $444/4 + ((4^4 + 4) \times (44 + 4))$
:= $(555/5) + ((5 - 5/5) \times (5^5 - 5))$
:= $((6 - 66) + 6)/6 + ((6 - 66) \times (6 - (6 \times 6 \times 6)))$
:= $7 + (((((7 + 7)/7)^7) - 7) \times ((777/7) - 7))$
:= $(8/8 + 8) \times ((88 \times (8 + 8)) - (8/8 + 8))$
:= $9 + ((99 \times (99 + 9 + 9)) + 999)$
- ▶ **12592** := $(11^{1+1+1+1}) - (1 + ((1 + 1)^{11}))$
:= $2 \times (((22^2 \times (22/2 + 2) + 2) + 2)$
:= $(3 \times 33) + (((3^3 - 3)^3) - ((33/3)^3))$
:= $4^4 + ((4 + 4 + 4) \times ((4 \times 4^4) + 4))$
:= $(5 - 5/5) \times (((5 \times 5) - ((5 + 5)/5)) + 5^5)$
:= $6 + (((((6 + 6)/6)^6) - 6) \times ((6 \times 6 \times 6) + 6/6))$
:= $(7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7)) - 7/7$
:= $((8/8 + 8) \times ((88 \times (8 + 8)) - 8)) - 8$
:= $(9 \times (9 \times (9 \times (9 + 9)))) - (((((9 + 9)/9)^9) + 9) + 9)$
- ▶ **12593** := $(11^{1+1+1+1}) - ((1 + 1)^{11})$
:= $((22/2)^{2+2}) - (2^{22/2})$
:= $3333 + (((3 \times (3 + 3)) + 3)^3) - 3/3$
:= $((44/4)^4) - (4^4 \times (4 + 4))$
:= $5 + ((5 - 5/5) \times (((55 + 55)/5) + 5^5))$
:= $((6 - 66) \times (6 - (6 \times 6 \times 6))) - (6/6 + 6)$
:= $7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7)$
:= $8/8 + (((8/8 + 8) \times ((88 \times (8 + 8)) - 8)) - 8)$
:= $(99/9) + ((99 \times (99 + 9 + 9)) + 999)$
- ▶ **12594** := $1 + ((11^{1+1+1+1}) - ((1 + 1)^{11}))$
:= $2 + ((22^2 \times (22 + 2 + 2)) + (2 \times (2 + 2)))$
:= $3333 + (((3 \times (3 + 3)) + 3)^3)$
:= $4/4 + (((44/4)^4) - (4^4 \times (4 + 4)))$
:= $(5 \times 5^5) - (((55 \times 55) + 5/5) + 5)$
:= $((6 - 66) \times (6 - (6 \times 6 \times 6))) - 6$
:= $7/7 + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7))$
:= $8 + (((8 - ((8 + 8)/8)) + 8) \times (888 + (88/8)))$
:= $9 + ((9 \times ((9 \times ((9 \times (9 + 9)) - 9)) + 9)) + 999/9)$
- ▶ **12595** := $11 \times ((11^{1+1}) + ((1 + 1)^{11-1}))$
:= $2 + (((22/2)^{2+2}) - (2^{22/2}))$
:= $3/3 + (((3 \times (3 + 3)) + 3)^3) + 3333$
:= $4^4 \times 44 + ((44/4)^{4-4/4})$
:= $(5 \times 5^5) - ((55 \times 55) + 5)$
:= $6/6 + (((6 - 66) \times (6 - (6 \times 6 \times 6))) - 6)$
:= $((7 + 7)/7) + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7))$
:= $(88/8) \times (((8 + 8) \times ((8 \times 8) + 8)) - 8) + 8/8$
:= $(99/9) \times ((9 \times ((99 + 9 + 9) + 9)) + (99/9))$
- ▶ **12596** := $1 + (11 \times ((11^{1+1}) + ((1 + 1)^{11-1})))$
:= $2 \times (((22^2 \times (22/2 + 2) + 2) + 2) + 2)$
:= $3 + (((3 \times (3 + 3)) + 3)^3) - 3/3 + 3333$
:= $4 + (((4 + 4 + 4) \times ((4 \times 4^4) + 4)) + 4^4)$
:= $(5 - 5/5) \times ((5^5 - 5/5) + 5 \times 5)$
:= $((6 + 6)/6) + (((6 - 66) \times (6 - (6 \times 6 \times 6))) - 6)$
:= $((7 + 7 + 7)/7) + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7))$
:= $((8/8 + 8) \times ((88 \times (8 + 8)) - 8)) - (8 \times 8/(8 + 8))$
:= $9 + (((99999/9) + (9 \times (9 \times (9 + 9)))) + 9) + 9$
- ▶ **12597** := $1 + (1 + (11 \times ((11^{1+1}) + ((1 + 1)^{11-1}))))$
:= $((22/2) + 2) \times ((2 \times 22^2) + 2/2)$
:= $3 + (((3 \times (3 + 3)) + 3)^3) + 3333$
:= $4 + (((44/4)^4) - (4^4 \times (4 + 4)))$
:= $5 + ((5 - 5/5) \times (((5 \times 5) - ((5 + 5)/5)) + 5^5))$
:= $((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) + 6) + 6$
:= $((7 + 7)/7)^{7+7} - (((7 \times (7 \times 77)) + 7) + 7)$
:= $((88 + 8 + 8)/8) \times (((88 \times 88) + 8)/8)$
:= $((9 - 9/9) + 9) \times (((99 + 9)/9) + (9 \times (9 \times 9)))$
- ▶ **12598** := $((111 - 1)/(1 + 1)) + (((1 + 111)^{1+1}) - 1)$
:= $(2^{2+2}) + ((22^2 \times (22 + 2 + 2)) - 2)$
:= $3 + (((3 \times (3 + 3)) + 3)^3) + 3333 + 3/3$
:= $4 + (((44/4)^4) - (4^4 \times (4 + 4))) + 4/4$
:= $(5 \times 5^5) - ((55 \times 55) + ((5 + 5)/5))$
:= $((6 - 66) \times (6 - (6 \times 6 \times 6))) - ((6 + 6)/6)$
:= $7 + (((((7 + 7)/7)^7) - 7) \times ((777/7) - 7)) + 7)$
:= $((8/8 + 8) \times ((88 \times (8 + 8)) - 8)) - ((8 + 8)/8)$
:= $9 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9)) + (99/9))) + 9$
- ▶ **12599** := $((111 - 1)/(1 + 1)) + ((1 + 111)^{1+1})$
:= $2 + (((22/2) + 2) \times ((2 \times 22^2) + 2/2))$
:= $((3 \times 3 + 33) \times ((3 \times 3 \times 33) + 3)) - 3/3$
:= $4 + (((44/4)^{4-4/4}) + (4^4 \times 44))$
:= $(5 \times 5^5) - ((55 \times 55) + 5/5)$
:= $((6 - 66) \times (6 - (6 \times 6 \times 6))) - 6/6$
:= $7 + ((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7)) - 7/7)$
:= $((8/8 + 8) \times ((88 \times (8 + 8)) - 8)) - 8/8$
:= $((99/9 + 9) \times ((9 \times (9 \times 9)) - 99)) - 9/9$
- ▶ **12600** := $((1 + 111)/(1 + 1)) + ((1 + 111)^{1+1})$
:= $(2^{2+2}) + (22^2 \times (22 + 2 + 2))$
:= $(3 \times 3 + 33) \times ((3 \times 3 \times 33) + 3)$
:= $(4^4 - 4) \times (((4 + 4)/4) + 44) + 4$
:= $(5 - 5/5) \times ((5 \times 5) + 5^5)$
:= $(6 - 66) \times (6 - (6 \times 6 \times 6))$
:= $7 + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7))$
:= $(8/8 + 8) \times ((88 \times (8 + 8)) - 8)$
:= $(99/9 + 9) \times ((9 \times (9 \times 9)) - 99)$

$$\begin{aligned}
\blacktriangleright 12601 &:= 1 + (((1 + 111)/(1 + 1)) + ((1 + 111)^{1+1})) \\
&:= 2 + (((22/2) + 2) \times ((2 \times 22^2) + 2/2)) + 2 \\
&:= 3/3 + ((3 \times 3 + 33) \times ((3 \times 3 \times 33) + 3)) \\
&:= 4 + (((44/4)^4) - (4^4 \times (4 + 4))) + 4 \\
&:= 5/5 + ((5 - 5/5) \times ((5 \times 5) + 5^5)) \\
&:= 6/6 + ((6 - 66) \times (6 - (6 \times 6 \times 6))) \\
&:= 7 + ((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7)) + 7/7 \\
&:= 8/8 + ((8/8 + 8) \times ((88 \times (8 + 8)) - 8)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (((9 + 9)/9)^9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12602 &:= 1 + (1 + (((1 + 111)/(1 + 1)) + ((1 + 111)^{1+1}))) \\
&:= 2 + ((22^2 \times (22 + 2 + 2)) + (2^{2+2})) \\
&:= 3 + (((3 \times 3 + 33) \times ((3 \times 3 \times 33) + 3)) - 3/3) \\
&:= ((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - (4^4 + 4)) \\
&:= (5 \times 5^5) + (((5 + 5)/5) - (55 \times 55)) \\
&:= ((6 + 6)/6) + ((6 - 66) \times (6 - (6 \times 6 \times 6))) \\
&:= 7 + ((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7)) + (7 + 7)/7 \\
&:= ((8 + 8)/8) + ((8/8 + 8) \times ((88 \times (8 + 8)) - 8)) \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9)))) - (((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12603 &:= 11 + ((11^{1+1+1+1}) - (1 + ((1 + 1)^{11}))) \\
&:= 22 + ((22^2 \times (22 + 2 + 2)) - (2/2 + 2)) \\
&:= 3 + ((3 \times 3 + 33) \times ((3 \times 3 \times 33) + 3)) \\
&:= 4 + (((44/4)^{4-4/4}) + (4^4 \times 44)) + 4 \\
&:= 5 + ((5 \times 5^5) - ((55 \times 55) + ((5 + 5)/5))) \\
&:= (6 \times 6/(6 + 6)) + ((6 - 66) \times (6 - (6 \times 6 \times 6))) \\
&:= ((77 - 7)/7) + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7)) \\
&:= 8 + ((88/8) \times (((8 + 8) \times ((8 \times 8) + 8)) - 8) + 8/8) \\
&:= 99 + ((9 \times (9 \times (9 \times (9 + 9)) - 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12604 &:= 11 + ((11^{1+1+1+1}) - ((1 + 1)^{11})) \\
&:= 22 + ((22^2 \times (22 + 2 + 2)) - 2) \\
&:= 3 + (((3 \times 3 + 33) \times ((3 \times 3 \times 33) + 3)) + 3/3) \\
&:= 4 + ((4^4 - 4) \times (((4 + 4)/4) + 44) + 4) \\
&:= (5 - 5/5) \times (((5 \times 5) + 5^5) + 5/5) \\
&:= 6 + (((6 - 66) \times (6 - (6 \times 6 \times 6))) - ((6 + 6)/6)) \\
&:= (((7 + 7)/7)^{7+7}) - ((7 \times (7 \times 77)) + 7) \\
&:= (8 \times 8 \times 8) + (((888 - 8)/8)^{(8+8)/8}) - 8 \\
&:= 9 + ((99/9) \times ((9 \times (99 + 9 + 9) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12605 &:= 1 + (11 + ((11^{1+1+1+1}) - ((1 + 1)^{11}))) \\
&:= 22 + ((22^2 \times (22 + 2 + 2)) - 2/2) \\
&:= (((3/3 + 3)^3) \times ((33 \times (3 + 3)) - 3/3)) - 3 \\
&:= 4 + (((44/4)^4) - (4^4 \times (4 + 4))) + 4 + 4 \\
&:= 5 + ((5 - 5/5) \times ((5 \times 5) + 5^5)) \\
&:= 6 + (((6 - 66) \times (6 - (6 \times 6 \times 6))) - 6/6) \\
&:= 7/7 + (((7 + 7)/7)^{7+7}) - ((7 \times (7 \times 77)) + 7) \\
&:= 8 + (((88 + 8 + 8)/8) \times (((88 \times 88) + 8)/8)) \\
&:= (99999/9) + ((9 + 9) \times (((9 + 9)/9) + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12606 &:= 11 \times (1 + ((11^{1+1}) + ((1 + 1)^{11-1}))) \\
&:= 22 + (22^2 \times (22 + 2 + 2)) \\
&:= 33 \times ((3333/3) - (3^{3+3})) \\
&:= ((4^4 + 4 + 4)/4) \times (4^4 - ((4^4 + 4)/4)) \\
&:= (5/5 + 5) \times (5^5 - ((5 - 5/5)^5)) \\
&:= 6 + ((6 - 66) \times (6 - (6 \times 6 \times 6))) \\
&:= 7 + (((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7)) - 7/7) + 7) \\
&:= (((8 + 8)/8) + (8 \times 8)) \times ((8 \times (8 + 8 + 8)) - 8/8) \\
&:= 9 + (((9 - 9/9) + 9) \times (((99 + 9)/9) + (9 \times (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12607 &:= 1 + (11 \times (1 + ((11^{1+1}) + ((1 + 1)^{11-1})))) \\
&:= 22 + ((22^2 \times (22 + 2 + 2)) + 2/2) \\
&:= 3/3 + (33 \times ((3333/3) - (3^{3+3}))) \\
&:= 4^4 + ((4^4 \times (44 + 4)) + ((4^4 - 4)/4)) \\
&:= 5 + (((5 + 5)/5) - (55 \times 55)) + (5 \times 5^5) \\
&:= 6 + (((6 - 66) \times (6 - (6 \times 6 \times 6))) + 6/6) \\
&:= 7 + ((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + 7)) + 7) \\
&:= 8 + (((8/8 + 8) \times ((88 \times (8 + 8)) - 8)) - 8/8) \\
&:= 9 \times 9 + (((999 + 9)/9)^{(9+9)/9}) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12608 &:= (111^{1+1}) + (((1 + 1) \times ((1 + 11)^{1+1})) - 1) \\
&:= 2 + ((22^2 \times (22 + 2 + 2)) + 22) \\
&:= ((3/3 + 3)^3) \times ((33 \times (3 + 3)) - 3/3) \\
&:= 4 \times (4 \times ((4 \times ((4 \times (44 + 4)) + 4)) + 4)) \\
&:= (5 - 5/5) \times (((5 + 5)/5) + 5^5) + 5 \times 5 \\
&:= 6 + (((6 - 66) \times (6 - (6 \times 6 \times 6))) + ((6 + 6)/6)) \\
&:= (((7 + 7)/7 + 7) + 7) \times ((77/7) + 777) \\
&:= 8 + ((8/8 + 8) \times ((88 \times (8 + 8)) - 8)) \\
&:= 9 + (((99/9 + 9) \times ((9 \times (9 \times 9)) - 99)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12609 &:= (111^{1+1}) + ((1 + 1) \times ((1 + 11)^{1+1})) \\
&:= (((22 + 2)^2)/2) + ((222/2)^2) \\
&:= 3 \times (((3 + 3) \times ((3^{3+3}) - 33)) + 3^3) \\
&:= 4 \times 4 + (((44/4)^4) - (4^4 \times (4 + 4))) \\
&:= 5 + ((5 - 5/5) \times (((5 \times 5) + 5^5) + 5/5)) \\
&:= ((6 \times 6/(6 + 6))^6) + (6 \times (66 \times (6 \times 6 - 6))) \\
&:= ((7 + 7)/7 + 7) \times (((77/7) \times (((7 + 7)/7)^7)) - 7) \\
&:= (8/8 + 8) \times (((88 \times (8 + 8)) - 8) + 8/8) \\
&:= 9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12610 &:= 1 + ((111^{1+1}) + ((1 + 1) \times ((1 + 11)^{1+1}))) \\
&:= ((22/2) + 2) \times ((2 \times 22^2) + 2) \\
&:= (3^3 - 3/3) \times (((3 - 3/3)^{3 \times 3}) - 3^3) \\
&:= ((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 4^4) \\
&:= 5 + (((5 - 5/5) \times ((5 \times 5) + 5^5)) + 5) \\
&:= 66 + (((666 + 6)/6)^{(6+6)/6}) \\
&:= (((7 + 7)/7)^{7+7}) - ((7 \times (7 \times 77)) + 7/7) \\
&:= (8/8 + (8 \times 8)) \times ((8 \times (8 + 8 + 8)) + ((8 + 8)/8)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12611 &:= (111^{1+1}) + ((1+1) \times (1 + ((1+11)^{1+1}))) \\
&:= 2 + (((22+2)^2)/2) + ((222/2)^2) \\
&:= 3 + (((3/3+3)^3) \times ((33 \times (3+3)) - 3/3)) \\
&:= 444/4 + (4 \times ((4/4+4)^{4/4+4})) \\
&:= (5 \times 5^5) + ((555/5) - 5^5) \\
&:= (66/6) + ((6-66) \times (6 - (6 \times 6 \times 6))) \\
&:= (((7+7)/7)^{7+7}) - (7 \times (7 \times 77)) \\
&:= 88/8 + ((8/8+8) \times ((88 \times (8+8)) - 8)) \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9+9)))) - ((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12612 &:= ((111-1)^{1+1}) + ((1+1)^{11-1-1}) \\
&:= 2 + (((22/2)+2) \times ((2 \times 22^2)+2)) \\
&:= 3 \times (((3/3+3)^{3+3}) + (3 \times (33+3))) \\
&:= 4 + (4 \times (4 \times ((4 \times ((4 \times (44+4)) + 4)) + 4))) \\
&:= (5 \times 5^5) + (((555+5)/5) - 5^5) \\
&:= 6 + (((6-66) \times (6 - (6 \times 6 \times 6))) + 6) \\
&:= 7/7 + (((7+7)/7)^{7+7}) - (7 \times (7 \times 77)) \\
&:= (8 \times 8 \times 8) + (((888-8)/8)^{(8+8)/8}) \\
&:= ((9+9)/9) + ((9 \times (9 \times (9 \times (9+9)))) - (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12613 &:= 1 + (((111-1)^{1+1}) + ((1+1)^{11-1-1})) \\
&:= 2 + (((((22+2)^2)/2) + ((222/2)^2)) + 2) \\
&:= (((33/3) + 3^3) \times (333 - 3/3)) - 3 \\
&:= 4 + (((44/4)^4) - (4^4 \times (4+4))) + 4 \times 4 \\
&:= 5 + ((5-5/5) \times (((5+5)/5) + 5^5) + 5 \times 5) \\
&:= 6 + (((6-66) \times (6 - (6 \times 6 \times 6))) + 6/6) + 6 \\
&:= 77 + ((7 \times ((7+7) \times (((7+7)/7)^7))) - (7/7+7)) \\
&:= 8 + (((88+8+8)/8) \times (((88 \times 88) + 8)/8)) + 8 \\
&:= 9999/9 + ((9+9) \times ((9 \times ((9 \times 9) - 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12614 &:= 1 + (1 + (((111-1)^{1+1}) + ((1+1)^{11-1-1}))) \\
&:= ((22+2+2) \times (22^2+2)) - 22 \\
&:= 3 + (((3/3+3)^3) \times ((33 \times (3+3)) - 3/3)) + 3 \\
&:= 4 + (((4+4)/4) \times (((4-4/4)^{4+4}) - 4^4)) \\
&:= (5 \times ((5 \times 5) + 5^5)) - ((55/5) + 5^5) \\
&:= 6 + (((6-66) \times (6 - (6 \times 6 \times 6))) + ((6+6)/6)) + 6 \\
&:= 77 + ((7 \times ((7+7) \times (((7+7)/7)^7))) - 7) \\
&:= 8 + (((8+8)/8) + (8 \times 8)) \times ((8 \times (8+8+8)) - 8/8) \\
&:= (9 - ((9+9)/9)) \times (((9+9) \times 99) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12615 &:= (1+1+1) \times (111 + ((1+1) \times (((1+1)^{11}) - 1))) \\
&:= 22 + (((22/2)^{2+2}) - (2^{22/2})) \\
&:= ((3+3) \times ((3 \times ((3^3+3) - 3^3)) - 3)) - 3 \\
&:= 4 + ((4 \times ((4/4+4)^{4/4+4})) + (444/4)) \\
&:= (5 \times ((5 \times 5) + 5^5)) - (5^5 + 5 + 5) \\
&:= 6 + ((6 \times (66 \times (6 \times 6 - 6))) + ((6 \times 6)/(6+6))^6) \\
&:= (7 \times ((7 \times 7) - 7)) + ((777/7)^{(7+7)/7}) \\
&:= (8/8 - 88) \times (8 - (((8 \times 8) + 88) + 8/8)) \\
&:= ((99+9) \times (99+9+9)) - (((99+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12616 &:= ((1+111)^{1+1}) + (((1+11)^{1+1})/(1+1)) \\
&:= 2 + (((22+2+2) \times (22^2+2)) - 22) \\
&:= ((33/3) + 3^3) \times (333 - 3/3) \\
&:= 4 + ((4 \times (4 \times ((4 \times ((4 \times (44+4)) + 4)) + 4))) + 4) \\
&:= 5 + (((555/5) - 5^5) + (5 \times 5^5)) \\
&:= 6 + (((666+6)/6)^{(6+6)/6}) + 66 \\
&:= ((7 \times 7) - (77/7)) \times (7 \times 7 \times 7 - (77/7)) \\
&:= 8 + (((8/8+8) \times ((88 \times (8+8)) - 8)) + 8) \\
&:= 9 \times 9 + (((999+9)/9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12617 &:= 11 \times (1111 + ((1+1+1) \times (1+1))) \\
&:= (22 \times (((22+2)^2) - 2)) - (22/2) \\
&:= (33/3) \times (((3333/3) + 33) + 3) \\
&:= ((44/4)^4) + ((4+4) \times (4 - (4/4+4^4))) \\
&:= 5 + (((555+5)/5) - 5^5) + (5 \times 5^5) \\
&:= (66/6) \times (((6666/6) + (6 \times 6))) \\
&:= 7 + (((7+7)/7)^{7+7}) - ((7 \times (7 \times 77)) + 7/7) \\
&:= 8 + ((8/8+8) \times (((88 \times (8+8)) - 8) + 8/8)) \\
&:= ((99+9) \times (99+9+9)) - ((9/9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12618 &:= (1+1+1) \times (111 + (((1+1)^{11+1}) - 1)) \\
&:= ((2-22)/2) + (22 \times (((22+2)^2) - 2)) \\
&:= (3+3) \times ((3 \times ((3^3+3) - 3^3)) - 3) \\
&:= ((4+4)/4) \times (((4-4/4)^{4+4}) - 4^4) + 4 \\
&:= (5/5+5) \times (((5+5)/5)^{55/5}) + 55 \\
&:= 6 + (((6-66) \times (6 - (6 \times 6 \times 6))) + 6) + 6 \\
&:= 7 + (((7+7)/7)^{7+7}) - (7 \times (7 \times 77)) \\
&:= (8/8+8) \times (((88 \times (8+8)) - 8) + ((8+8)/8)) \\
&:= ((99+9) \times (99+9+9)) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12619 &:= 1 + ((1+1+1) \times (111 + (((1+1)^{11+1}) - 1))) \\
&:= 2 + ((22 \times (((22+2)^2) - 2)) - (22/2)) \\
&:= 3 + (((33/3) + 3^3) \times (333 - 3/3)) \\
&:= 44 + ((44 \times (44+4^4)) - ((4/4+4)^4)) \\
&:= (5 \times ((5 \times 5) + 5^5)) - ((5^5 + 5/5) + 5) \\
&:= 6 + (((6-66) \times (6 - (6 \times 6 \times 6))) + 6/6) + 6) + 6 \\
&:= 7 + (((7+7)/7)^{7+7}) - (7 \times (7 \times 77)) + 7/7 \\
&:= 8 + (((8/8+8) \times ((88 \times (8+8)) - 8)) + (88/8)) \\
&:= 9 + ((9 \times (9 \times (9 \times (9+9)))) - (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12620 &:= ((1+1+1) \times (111 + ((1+1)^{11+1}))) - 1 \\
&:= (22 \times (((22+2)^2) - 2)) - (2 \times (2+2)) \\
&:= 333 + ((3 \times ((3/3+3)^{3+3})) - 3/3) \\
&:= 4444 + (4 \times ((4^4 \times (4+4)) - 4)) \\
&:= (5-5/5) \times (((5 \times 5) + 5^5) + 5) \\
&:= ((66-6)/6) \times ((6 \times (6 \times 6 \times 6 - 6)) + ((6+6)/6)) \\
&:= 77 + ((7 \times ((7+7) \times (((7+7)/7)^7))) - 7/7) \\
&:= 8 + (((888-8)/8)^{(8+8)/8}) + (8 \times 8 \times 8) \\
&:= (99/9+9) \times ((9 \times (9 \times 9)) - 99) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12621 &:= (1 + 1 + 1) \times (111 + ((1 + 1)^{11+1})) \\
&:= 2 + (((22 \times ((22 + 2)^2) - 2) - (22/2)) + 2) \\
&:= 333 + (3 \times ((3/3 + 3)^{3+3})) \\
&:= (4 - 4/4) \times ((444/4) + ((4 + 4)^4)) \\
&:= 5/5 + ((5 - 5/5) \times (((5 \times 5) + 5^5) + 5)) \\
&:= 6 + (((6 \times (66 \times (6 \times 6 - 6))) + ((6 \times 6/(6 + 6))^6)) + 6) \\
&:= 77 + (7 \times ((7 + 7) \times (((7 + 7)/7)^7))) \\
&:= (8 - 8/8) \times (((8 + 8) \times (888 + 8)) + 88)/8 \\
&:= (99/9) + ((9 \times (9 \times (9 + 9))) - ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12622 &:= 1 + ((1 + 1 + 1) \times (111 + ((1 + 1)^{11+1}))) \\
&:= (22 \times (((22 + 2)^2) - 2) - (2 + 2 + 2) \\
&:= 3/3 + ((3 \times ((3/3 + 3)^{3+3})) + 333) \\
&:= 4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 4^4) + 4) \\
&:= (5 \times 5^5) + (((555 + 55)/5) - 5^5) \\
&:= 6 + (((((666 + 6)/6)^{(6+6)/6}) + 66) + 6) \\
&:= 7/7 + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7))) + 77) \\
&:= 8 + (((((8 + 8)/8) + (8 \times 8)) \times ((8 \times (8 + 8 + 8)) - 8/8)) + 8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (((9 \times 999) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12623 &:= 1 + (1 + ((1 + 1 + 1) \times (111 + ((1 + 1)^{11+1})))) \\
&:= ((22/2) + 2) \times (((2 \times 22^2) + 2/2) + 2) \\
&:= 3 + (((3 \times ((3/3 + 3)^{3+3})) - 3/3) + 333) \\
&:= ((4 + 4 + 4) \times ((4 \times (4^4 - 4)) + 44)) - 4/4 \\
&:= (5 \times ((5 \times 5) + 5^5)) - (((5 + 5)/5) + 5^5) \\
&:= 6 + ((66/6) \times ((6666/6) + (6 \times 6))) \\
&:= (((((7 + 7)/7)^7) \times ((7 \times (7 + 7)) + 7/7)) - (7 \times 7) \\
&:= 8 + ((8/8 - 88) \times (8 - (((8 \times 8) + 88) + 8/8))) \\
&:= ((99 + 9 + 9)/9) \times ((9 \times (99 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12624 &:= (1 + 1 + 1) \times (1 + (111 + ((1 + 1)^{11+1}))) \\
&:= (22 + 2) \times ((22 \times (22 + 2)) - 2) \\
&:= 3 + ((3 \times ((3/3 + 3)^{3+3})) + 333) \\
&:= (4 + 4 + 4) \times ((4 \times (4^4 - 4)) + 44) \\
&:= (5 \times ((5 \times 5) + 5^5)) - (5^5 + 5/5) \\
&:= ((6 + 6 + 6) \times (666 + (6 \times 6))) - (6 + 6) \\
&:= ((7 \times 7) - 7/7) \times (((7 + 7)/7)^{7/7+7}) + 7 \\
&:= (8 + 8) \times (888 - ((88/8) + 88)) \\
&:= ((99 + 9)/9) \times ((9 \times (99 + 9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12625 &:= ((11 - 1 - 1)^{1+1}) + ((1 + 111)^{1+1}) \\
&:= (22 \times (((22 + 2)^2) - 2) - (2/2 + 2) \\
&:= (3 \times 3^3) + (((333 + 3)/3)^{3-3/3}) \\
&:= ((44/4)^4) + ((4 + 4) \times (4 - 4^4)) \\
&:= (5 \times ((5 \times 5) + 5^5)) - 5^5 \\
&:= ((6 + 6 + 6) \times (666 + (6 \times 6))) - (66/6) \\
&:= 7 + (((((7 + 7)/7)^{7+7}) - (7 \times (7 \times 7))) + 7) \\
&:= ((8/8 + 8 + 8) + 8) \times (((8 \times 8 \times 8) - 8) + 8/8) \\
&:= 9 \times 9 + (((999 + 9)/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12626 &:= 1 + (((11 - 1 - 1)^{1+1}) + ((1 + 111)^{1+1})) \\
&:= (22 \times (((22 + 2)^2) - 2) - 2 \\
&:= (3 \times ((3 \times ((33/3)^3)) + ((3 + 3)^3))) - 3/3 \\
&:= 4/4 + (((4 + 4) \times (4 - 4^4)) + ((44/4)^4)) \\
&:= 5/5 + ((5 \times ((5 \times 5) + 5^5)) - 5^5) \\
&:= (66 - (6/6 + 6)) \times ((6 \times 6 \times 6) - ((6 + 6)/6)) \\
&:= ((777/7) + 7) \times (((7 + 7)/7) + (7 \times (7 + 7))) + 7 \\
&:= 8 + ((8/8 + 8) \times (((88 \times (8 + 8)) - 8) + ((8 + 8)/8))) \\
&:= ((99 + 9) \times (99 + 9 + 9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12627 &:= (1 + 1 + 1) \times (1 + (1 + (111 + ((1 + 1)^{11+1})))) \\
&:= (22 \times (((22 + 2)^2) - 2) - 2/2 \\
&:= 3 \times ((3 \times ((33/3)^3)) + ((3 + 3)^3)) \\
&:= (44 \times ((4 \times (4 + 4)) + 4^4)) - (44 + 4/4) \\
&:= ((5 + 5)/5) + ((5 \times ((5 \times 5) + 5^5)) - 5^5) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - (666/((6 + 6)/6)) \\
&:= 7 + (((7 \times ((7 + 7) \times (((7 + 7)/7)^7))) - 7/7) + 77) \\
&:= (8/8 + 8) \times (((8 + 8) \times (88 - 8/8)) + (88/8)) \\
&:= 9 \times (((9 + 9)/9)^9) + (9 \times 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12628 &:= 11 \times (1111 + (111/(1 + 1 + 1))) \\
&:= 22 \times (((22 + 2)^2) - 2) \\
&:= 3/3 + (3 \times ((3 \times ((33/3)^3)) + ((3 + 3)^3))) \\
&:= 44 \times (((4 \times (4 + 4)) - 4/4) + 4^4) \\
&:= (5 - 5/5) \times (((5 + 5)/5)^5) + 5^5 \\
&:= (66/6) \times (((6666 + 6)/6) + (6 \times 6)) \\
&:= 7 + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7))) + 77) \\
&:= (88/8) \times ((888/((8 + 8)/8)) + (8 \times 88)) \\
&:= 9/9 + (9 \times (((9 + 9)/9)^9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12629 &:= 1 + (11 \times (1111 + (111/(1 + 1 + 1)))) \\
&:= 2/2 + (22 \times (((22 + 2)^2) - 2)) \\
&:= 3 + ((3 \times ((3 \times ((33/3)^3)) + ((3 + 3)^3))) - 3/3) \\
&:= 4 + (((4 + 4) \times (4 - 4^4)) + ((44/4)^4)) \\
&:= 5 + ((5 \times ((5 \times 5) + 5^5)) - (5^5 + 5/5)) \\
&:= ((6 + 6 + 6) \times (666 + (6 \times 6))) - (6/6 + 6) \\
&:= 7 + (((7 \times ((7 + 7) \times (((7 + 7)/7)^7))) + 77) + 7/7) \\
&:= 8 + ((8 - 8/8) \times (((8 + 8) \times (888 + 8)) + 88)/8) \\
&:= ((9 + 9)/9) + (9 \times (((9 + 9)/9)^9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12630 &:= 1 + (1 + (11 \times (1111 + (111/(1 + 1 + 1)))))) \\
&:= 2 + (22 \times (((22 + 2)^2) - 2)) \\
&:= 3 + (3 \times ((3 \times ((33/3)^3)) + ((3 + 3)^3))) \\
&:= 4 + (((4 + 4) \times (4 - 4^4)) + ((44/4)^4)) + 4/4 \\
&:= 5 + ((5 \times ((5 \times 5) + 5^5)) - 5^5) \\
&:= ((6 + 6 + 6) \times (666 + (6 \times 6))) - 6 \\
&:= 7 + (((((7 + 7)/7)^7) \times ((7 \times (7 + 7)) + 7/7)) - (7 \times 7)) \\
&:= (8 - ((8 + 8)/8)) \times (((88 \times (8 + 8 + 8)) - 8) + 8/8) \\
&:= ((9 + 9 + 9)/9) + (9 \times (((9 + 9)/9)^9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12631 &:= 11 + (((1 + 1 + 1) \times (111 + ((1 + 1)^{11+1}))) - 1) \\
&:= 2 + ((22 \times (((22 + 2)^2) - 2)) + 2/2) \\
&:= ((3/3 + 3 + 3)^3) + (3 \times ((3/3 + 3)^{3+3})) \\
&:= 4^4 + ((4444/4) + (4^4 \times 44)) \\
&:= 5 + (((5 \times ((5 \times 5) + 5^5)) - 5^5) + 5/5) \\
&:= 6/6 + (((6 + 6 + 6) \times (666 + (6 \times 6))) - 6) \\
&:= ((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) - (77/7) \\
&:= 88 + ((888/8) \times (((888 + 8) + 8)/8)) \\
&:= ((9 - 99)/(9 + 9)) + ((99 + 9) \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12632 &:= 11 + ((1 + 1 + 1) \times (111 + ((1 + 1)^{11+1}))) \\
&:= 2 + ((22 \times (((22 + 2)^2) - 2)) + 2) \\
&:= (3 \times ((3 + 3) \times ((3^{3+3}) - 3^3))) - (3/3 + 3) \\
&:= 4 + (44 \times (((4 \times (4 + 4)) - 4/4) + 4^4)) \\
&:= 5 + (((5 \times ((5 \times 5) + 5^5)) - 5^5) + ((5 + 5)/5)) \\
&:= 6 + ((66 - (6/6 + 6)) \times ((6 \times 6 \times 6) - ((6 + 6)/6))) \\
&:= 7 + ((((((7 + 7)/7)^{7+7}) - (7 \times (7 \times 7))) + 7) + 7) \\
&:= 88 + ((8 + 8) \times (((8 \times (88 + 8)) + 8) + 8)) \\
&:= 9 + (((99 + 9 + 9)/9) \times ((9 \times (99 + 9)) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12633 &:= 111 + (((1 + 111)^{1+1}) - (11 + 11)) \\
&:= 2 + (((22 \times (((22 + 2)^2) - 2)) + 2/2) + 2) \\
&:= (3 \times ((3 + 3) \times ((3^{3+3}) - 3^3))) - 3 \\
&:= 4 + (((4 + 4) \times (4 - 4^4)) + ((44/4)^4)) + 4 \\
&:= 5 + ((5 - 5/5) \times (((5 + 5)/5)^5 + 5^5)) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) - 6))) - (666/6) \\
&:= 7 \times 7 + (((((7 + 7)/7)^7) - 7) \times ((777/7) - 7)) \\
&:= 8 + (((8/8 + 8 + 8) + 8) \times (((8 \times 8 \times 8) - 8) + 8/8)) \\
&:= ((99 + 9) \times (99 + 9 + 9)) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12634 &:= (1 + 1) \times (((1 + 1) \times (1111 + ((1 + 1)^{11}))) - 1) \\
&:= ((22 + 2 + 2) \times (22^2 + 2)) - 2 \\
&:= 3/3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 3^3))) - 3) \\
&:= (4 \times 4^4) + ((44 + 4/4) \times ((4 + 4)/4 + 4^4)) \\
&:= 5 + (((5 \times ((5 \times 5) + 5^5)) - (5^5 + 5/5)) + 5) \\
&:= ((6 + 6 + 6) \times (666 + (6 \times 6))) - ((6 + 6)/6) \\
&:= 777 + ((77 \times (77 + 77)) - 7/7) \\
&:= ((8 + 8)/8) \times ((88 \times ((8 \times 8) + 8)) - ((88/8) + 8)) \\
&:= ((99 + 9) \times (99 + 9 + 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12635 &:= ((1 + 1) \times ((1 + 1) \times (1111 + ((1 + 1)^{11})))) - 1 \\
&:= ((22 + 2 + 2) \times (22^2 + 2)) - 2/2 \\
&:= (3 \times ((3 + 3) \times ((3^{3+3}) - 3^3))) - 3/3 \\
&:= 4444 + ((4 \times (4^4 \times (4 + 4))) - 4/4) \\
&:= 5 + (((5 \times ((5 \times 5) + 5^5)) - 5^5) + 5) \\
&:= ((6 \times 6) - 6/6) \times ((6 \times (66 - 6)) + 6/6) \\
&:= 777 + (77 \times (77 + 77)) \\
&:= (8 - 8/8) \times (((88/8) + 8) \times ((88 - 8/8) + 8)) \\
&:= ((99 + 9) \times (99 + 9 + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12636 &:= (1 + 1) \times ((1 + 1) \times (1111 + ((1 + 1)^{11}))) \\
&:= (22 + 2 + 2) \times (22^2 + 2) \\
&:= 3 \times ((3 + 3) \times ((3^{3+3}) - 3^3)) \\
&:= 4444 + (4 \times (4^4 \times (4 + 4))) \\
&:= (55/5) + ((5 \times ((5 \times 5) + 5^5)) - 5^5) \\
&:= (6 + 6 + 6) \times (666 + (6 \times 6)) \\
&:= 7/7 + ((77 \times (77 + 77)) + 777) \\
&:= (8/8 + 8) \times ((88 \times (8 + 8)) - (8 \times 8/(8 + 8))) \\
&:= (99 + 9) \times (99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12637 &:= ((1 + (1 + 111))^{1+1}) - (11 \times (1 + 11)) \\
&:= 2/2 + ((22 + 2 + 2) \times (22^2 + 2)) \\
&:= 3/3 + (3 \times ((3 + 3) \times ((3^{3+3}) - 3^3))) \\
&:= 44 + (((44/4)^4) - (4^4 \times (4 + 4))) \\
&:= (5 \times (5^5 + 5)) + (((555 + 5)/5) - 5^5) \\
&:= 6/6 + ((6 + 6 + 6) \times (666 + (6 \times 6))) \\
&:= ((7 + 7)/7) + ((77 \times (77 + 77)) + 777) \\
&:= 8 \times 8 + ((8/8 + 8) \times ((88 \times (8 + 8)) - 88/8)) \\
&:= 9/9 + ((99 + 9) \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12638 &:= 1 + (((1 + (1 + 111))^{1+1}) - (11 \times (1 + 11))) \\
&:= 2 + ((22 + 2 + 2) \times (22^2 + 2)) \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 3^3))) - 3/3) \\
&:= (((44 + 4/4) + 4) \times ((4 + 4)/4 + 4^4)) - 4 \\
&:= 5 + (((5 - 5/5) \times (((5 + 5)/5)^5 + 5^5)) + 5) \\
&:= ((6 + 6)/6) + ((6 + 6 + 6) \times (666 + (6 \times 6))) \\
&:= 7 + (((7 + 7) \times ((7 \times ((7 + 7)/7)^7)) + 7)) - (77/7) \\
&:= ((8 + 8)/8) \times ((8/8 + 88) \times (((8 \times 8) - 8/8) + 8)) \\
&:= ((9 + 9)/9) + ((99 + 9) \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12639 &:= 11 \times (1 + (1111 + (111/(1 + 1 + 1)))) \\
&:= (22/2) + (22 \times (((22 + 2)^2) - 2)) \\
&:= 3 + (3 \times ((3 + 3) \times ((3^{3+3}) - 3^3))) \\
&:= (4 \times 4^4) + ((44 \times (4^4 + 4 + 4)) - 4/4) \\
&:= (55/5) \times (((5 - 5/5)^5) + 5 \times 5 \times 5) \\
&:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) - (666/6)) \\
&:= (7 \times 77) + (((777 - 7)/7)^{(7+7)/7}) \\
&:= (88/8) \times (((8 + 8) \times ((8 \times 8) + 8)) - 88/8 + 8) \\
&:= ((9 + 9 + 9)/9) + ((99 + 9) \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12640 &:= (1 + 1) \times ((1 + 1) \times (1 + (1111 + ((1 + 1)^{11})))) \\
&:= 2 + (((22 + 2 + 2) \times (22^2 + 2)) + 2) \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 3^3))) + 3/3) \\
&:= (4 + 4) \times ((44 \times ((4 \times (4 + 4)) + 4)) - 4) \\
&:= (5 - 5/5) \times (((5 \times 5) + 5^5) + 5) + 5 \\
&:= (6/6 - (6 \times 66)) \times (6 - (((6 + 6)/6) + (6 \times 6))) \\
&:= (((7 + 7)/7) + 77) \times ((777/7) + (7 \times 7)) \\
&:= (8 + 8) \times (((8 \times 88) - ((8 + 8)/8)) + 88) \\
&:= ((9 \times 9) - ((9 + 9)/9)) \times ((9 \times (9 + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 12641 &:= (111 \times (1 + (1 + (1 + 111)))) - (1 + 1 + 11) \\ &:= 2 + ((22 \times ((22 + 2)^2) - 2)) + (22/2) \\ &:= 3 + (((3 \times ((3 + 3) \times ((3^{3+3}) - 3^3))) - 3/3) + 3) \\ &:= (((4 - 4/4) + 4)^4) + (4^4 \times (44 - 4)) \\ &:= 5 + (((5 \times ((5 \times 5) + 5^5)) - 5^5) + (55/5)) \\ &:= 6 + (((6 \times 6) - 6/6) \times ((6 \times (66 - 6)) + 6/6)) \\ &:= ((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) - 7/7 \\ &:= (((88/8) - 8)^8) + (8 \times ((8 \times (88 + 8)) - 8)) \\ &:= (9 \times ((9 \times (9 + 9)) + 9)) + ((99999/9) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12642 &:= (111 \times (1 + (1 + (1 + 111)))) - 11 - 1 \\ &:= 2 + (((22 + 2 + 2) \times (22^2 + 2)) + 2) + 2 \\ &:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 3^3))) + 3) \\ &:= ((44 + 4/4) + 4) \times ((4 + 4)/4 + 4^4) \\ &:= 5 + (((555 + 5)/5) - 5^5) + (5 \times (5^5 + 5)) \\ &:= 6 + ((6 + 6 + 6) \times (666 + (6 \times 6))) \\ &:= (7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7) \\ &:= (8 \times (8 + 8) + 8/8) \times (((8 + 8)/8) + 88) + 8 \\ &:= (99 - 9/9) \times (((999/9) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12643 &:= (111 \times (1 + (1 + (1 + 111)))) - 11 \\ &:= (222/2)^2 + (((2^{2+2}) + 2)^2) - 2 \\ &:= (3 \times 33) + (((333 + 3)/3)^{3-3/3}) \\ &:= 4 + (((44 \times (4^4 + 4 + 4)) - 4/4) + (4 \times 4^4)) \\ &:= ((5 - 5/5) \times (((5 + 5)/5)^5 + 5^5) + 5) - 5 \\ &:= 6 + (((6 + 6 + 6) \times (666 + (6 \times 6))) + 6/6) \\ &:= 7/7 + ((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) \\ &:= (8 \times (8 - 888)) + (((88/8) - 8)^{8/8+8}) \\ &:= 99 + (((999 + 9)/9)^{(9+9)/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12644 &:= 111 + (((1 + 111)^{1+1}) - 11) \\ &:= (2^{2+2}) + (22 \times ((22 + 2)^2) - 2) \\ &:= (3 \times (((3 + 3) \times ((3^{3+3}) - 3^3)) + 3)) - 3/3 \\ &:= 4 + ((44 \times (4^4 + 4 + 4)) + (4 \times 4^4)) \\ &:= (5 - 5/5) \times (((55/5) + 5^5) + 5 \times 5) \\ &:= (((6 + 6)/6)^6) - 6 \times ((6 \times 6 \times 6) + ((6 + 6)/6)) \\ &:= ((7 + 7)/7) + ((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) \\ &:= 8 + ((8/8 + 8) \times ((88 \times (8 + 8)) - (8 \times 8/(8 + 8)))) \\ &:= 9 + (((99 + 9) \times (99 + 9 + 9)) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12645 &:= ((1 + 111) \times (1 + (1 + 111))) - 11 \\ &:= (222/2)^2 + (((2^{2+2}) + 2)^2) \\ &:= 3 \times (((3 + 3) \times ((3^{3+3}) - 3^3)) + 3) \\ &:= 4 + (((4 - 4/4) + 4)^4) + (4^4 \times (44 - 4)) \\ &:= (5 \times 5 \times 5) + ((5 - 5/5) \times (5^5 + 5)) \\ &:= (6 \times (66 - (6 + 6))) + ((666/6)^{(6+6)/6}) \\ &:= ((7 + 7 + 7)/7) + ((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) \\ &:= (8/8 + 8) \times (((88 \times (8 + 8)) - 88/8) + 8) \\ &:= 9 + ((99 + 9) \times (99 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12646 &:= 1 + (((1 + 111) \times (1 + (1 + 111))) - 11) \\ &:= (22 \times ((22 + 2)^2) - (22 + 2 + 2)) \\ &:= 3/3 + (3 \times (((3 + 3) \times ((3^{3+3}) - 3^3)) + 3)) \\ &:= 4 + (((44 + 4/4) + 4) \times ((4 + 4)/4 + 4^4)) \\ &:= 5/5 + (((5 - 5/5) \times (5^5 + 5)) + 5 \times 5 \times 5) \\ &:= 6 + ((6/6 - (6 \times 66)) \times (6 - (((6 + 6)/6) + (6 \times 6)))) \\ &:= 7 + (((777 - 7)/7)^{(7+7)/7}) + (7 \times 77) \\ &:= ((8/8 + 8) \times ((88 \times (8 + 8)) - ((8 + 8)/8))) - 8 \\ &:= 9 + (((99 + 9) \times (99 + 9 + 9)) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12647 &:= ((1 + (1 + 111))^{1+1}) - (1 + (11^{1+1})) \\ &:= 2 + (((222/2)^2) + (((2^{2+2}) + 2)^2)) \\ &:= (33/3) + (3 \times ((3 + 3) \times ((3^{3+3}) - 3^3))) \\ &:= (44/4) + ((4 \times (4^4 \times (4 + 4))) + 4444) \\ &:= 55 + ((5 - 5/5) \times (((5 \times 5) - ((5 + 5)/5)) + 5^5)) \\ &:= (66/6) + ((6 + 6 + 6) \times (666 + (6 \times 6))) \\ &:= ((777/7) \times (((7 + 7)/7)^7) - (7 + 7)) - 7 \\ &:= (8 \times 8 \times (8 + 8 + 8)) + (88888/8) \\ &:= (99/9) + ((99 + 9) \times (99 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12648 &:= ((1 + (1 + 111))^{1+1}) - (11^{1+1}) \\ &:= (22 + 2) \times (((22 + 2/2)^2) - 2) \\ &:= 3 + (3 \times (((3 + 3) \times ((3^{3+3}) - 3^3)) + 3)) \\ &:= (((4 + 4)/4) + 4) \times ((44 \times (44 + 4)) - 4) \\ &:= (5 - 5/5) \times (((5 + 5)/5)^5 + 5^5) + 5 \\ &:= (666 \times ((6/6 + 6 + 6) + 6)) - 6 \\ &:= 7 + ((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) - 7/7 \\ &:= (8 \times (888 + (8 \times 88))) - 88 \\ &:= ((99 + 9)/9) + ((99 + 9) \times (99 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12649 &:= 1 + (((1 + (1 + 111))^{1+1}) - (11^{1+1})) \\ &:= (22 \times ((22 + 2)^2) - (22 + 2/2)) \\ &:= 3 + ((3 \times (((3 + 3) \times ((3^{3+3}) - 3^3)) + 3)) + 3/3) \\ &:= 4 + (((4 - 4/4) + 4)^4) + (4^4 \times (44 - 4)) + 4 \\ &:= (5 \times ((5 \times 5) + 5^5) + 5) - (5^5 + 5/5) \\ &:= 6/6 + ((666 \times ((6/6 + 6 + 6) + 6)) - 6) \\ &:= 7 + ((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) \\ &:= 8/8 + ((8 \times (888 + (8 \times 88))) - 88) \\ &:= ((99 + 9 + 9)/9) \times ((9 \times (99 + 9)) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12650 &:= (111 - 1) \times (1 + (1 + (1 + 111))) \\ &:= 22 \times (((22 + 2)^2) - 2/2) \\ &:= ((33/3)^3) + (33 \times ((3/3 + 3 + 3)^3)) \\ &:= ((444 - 4)/4) \times ((444/4) + 4) \\ &:= 55 \times ((5 \times (55 - (5 + 5))) + 5) \\ &:= 6 + (((6 + 6)/6)^6) - 6 \times ((6 \times 6 \times 6) + ((6 + 6)/6)) \\ &:= 7 + ((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) + 7/7 \\ &:= ((8 + 8)/8) \times ((88 \times ((8 \times 8) + 8)) - 88/8) \\ &:= (9 \times (9 \times (9 + 9)) + 9) + (99999/9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12651 &:= 1 + ((111 - 1) \times (1 + (1 + (1 + (1 + 111)))))) \\
&:= 2/2 + (22 \times (((22 + 2)^2) - 2/2)) \\
&:= (333 \times ((33/3) + 3^3)) - 3 \\
&:= 4/4 + (((444 - 4)/4) \times ((444/4) + 4)) \\
&:= 5/5 + (55 \times ((5 \times (55 - (5 + 5))) + 5)) \\
&:= (6 \times 66) + (((666/6)^{(6+6)/6}) - 66) \\
&:= 7 + (((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) + (7 + 7)/7) \\
&:= ((88/8) - 8) \times (((8/8 + (8 \times 8))^{(8+8)/8}) - 8) \\
&:= 9 + ((99 - 9/9) \times (((999/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12652 &:= (111 \times (1 + (1 + (1 + 111)))) - (1 + 1) \\
&:= 2 + (22 \times (((22 + 2)^2) - 2/2)) \\
&:= 3/3 + ((333 \times ((33/3) + 3^3)) - 3) \\
&:= (4 \times 44) + (((4^4 + 4) \times (44 + 4)) - 4) \\
&:= ((5 + 5)/5) + (55 \times ((5 \times (55 - (5 + 5))) + 5)) \\
&:= (666 \times ((6/6 + 6 + 6) + 6)) - ((6 + 6)/6) \\
&:= ((77 - 7)/7) + ((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) \\
&:= ((8 + 8)/8) \times ((88 \times ((8 \times 8) + 8)) + ((8 - 88)/8)) \\
&:= 9 + (((999 + 9)/9)^{(9+9)/9}) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12653 &:= (111 \times (1 + (1 + (1 + 111)))) - 1 \\
&:= 2 + ((22 \times (((22 + 2)^2) - 2/2)) + 2/2) \\
&:= (333 \times ((33/3) + 3^3)) - 3/3 \\
&:= ((44/4)^4) + (((4 + 4) \times ((4 - 4^4) + 4)) - 4) \\
&:= 5 + ((5 - 5/5) \times (((5 + 5)/5)^5 + 5^5) + 5) \\
&:= (666 \times ((6/6 + 6 + 6) + 6)) - 6/6 \\
&:= (77/7) + ((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) \\
&:= (88 \times ((8 \times (8 + 8) + 8) + 8)) - ((88/8) + 8) \\
&:= 9 + (((99 + 9) \times (99 + 9 + 9)) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12654 &:= 111 \times (1 + (1 + (1 + 111))) \\
&:= 2 + ((22 \times (((22 + 2)^2) - 2/2)) + 2) \\
&:= 333 \times ((33/3) + 3^3) \\
&:= (444/4) \times (((444 - 4)/4) + 4) \\
&:= (555/5) \times ((5 \times 5 \times 5) - (55/5)) \\
&:= 666 \times ((6/6 + 6 + 6) + 6) \\
&:= (777/7) \times (((7 + 7)/7)^7) - (7 + 7) \\
&:= (8/8 + 8) \times ((88 \times (8 + 8)) - ((8 + 8)/8)) \\
&:= 9 + (((99 + 9) \times (99 + 9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12655 &:= 111 + ((1 + 111)^{1+1}) \\
&:= (222/2) + (((222 + 2)/2)^2) \\
&:= 3/3 + (333 \times ((33/3) + 3^3)) \\
&:= 4^4 + ((4^4 \times (44 + 4)) + (444/4)) \\
&:= 5 + (55 \times ((5 \times (55 - (5 + 5))) + 5)) \\
&:= 6/6 + (666 \times ((6/6 + 6 + 6) + 6)) \\
&:= (777/7) + (7 \times ((7 + 7) \times (((7 + 7)/7)^7))) \\
&:= ((8/8 + 8) \times ((88 \times (8 + 8)) - 8/8)) - 8 \\
&:= 9 + (((99 + 9) \times (99 + 9 + 9)) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12656 &:= (1 + 111) \times (1 + (1 + 111)) \\
&:= (22 \times ((22 + 2)^2)) - (2^{2+2}) \\
&:= 3 + ((333 \times ((33/3) + 3^3)) - 3/3) \\
&:= 4 \times (((4 + 4 + 4) \times (4^4 + 4)) + 44) \\
&:= 5 + ((55 \times ((5 \times (55 - (5 + 5))) + 5)) + 5/5) \\
&:= ((6 + 6)/6) + (666 \times ((6/6 + 6 + 6) + 6)) \\
&:= 7 + (((7 + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7)) + 7) \\
&:= (8 + 8) \times (((8 \times 88) - 8/8) + 88) \\
&:= 9 + (((99 + 9) \times (99 + 9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12657 &:= 1 + ((1 + 111) \times (1 + (1 + 111))) \\
&:= 2 + (((222 + 2)/2)^2) + 222/2 \\
&:= 3 + (333 \times ((33/3) + 3^3)) \\
&:= ((44/4)^4) + ((4 + 4) \times ((4 - 4^4) + 4)) \\
&:= (((5 + 5)/5)^5) + ((5 \times ((5 \times 5) + 5^5)) - 5^5) \\
&:= (6 \times 6/(6 + 6)) + (666 \times ((6/6 + 6 + 6) + 6)) \\
&:= (7 \times 7 \times 7) + (((777/7)^{(7+7)/7}) - 7) \\
&:= 8/8 + ((8 + 8) \times (((8 \times 88) - 8/8) + 88)) \\
&:= 9 + (((99 + 9) \times (99 + 9 + 9)) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12658 &:= ((1 + (1 + 111))^{1+1}) - 111 \\
&:= 2 + ((22 \times ((22 + 2)^2)) - (2^{2+2})) \\
&:= 3 + ((333 \times ((33/3) + 3^3)) + 3/3) \\
&:= 4 + ((444/4) \times (((444 - 4)/4) + 4)) \\
&:= (((5 + 5)/5) + 5)^5 - (((5 - 5/5)^5) + 5^5) \\
&:= 6 + ((666 \times ((6/6 + 6 + 6) + 6)) - ((6 + 6)/6)) \\
&:= (((7 + 7)/7)^7) \times ((7 \times (7 + 7)) + 7/7) - (7 + 7) \\
&:= ((8 + 8)/8) \times (((88 \times ((8 \times 8) + 8)) - 8) + 8/8) \\
&:= 9 + (((99 + 9 + 9)/9) \times ((9 \times (99 + 9)) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12659 &:= 1 + (((1 + (1 + 111))^{1+1}) - 111) \\
&:= (22 \times ((22 + 2)^2)) - ((22/2) + 2) \\
&:= 3 + (((333 \times ((33/3) + 3^3)) - 3/3) + 3) \\
&:= ((4 \times 4 + 4) \times (((4/4 + 4)^4) + 4) + 4) - 4/4 \\
&:= 5 + ((555/5) \times ((5 \times 5 \times 5) - (55/5))) \\
&:= 6 + ((666 \times ((6/6 + 6 + 6) + 6)) - 6/6) \\
&:= (((7 + 7)/7)^{7+7}) + ((7 \times (7 - (7 \times 7))) - 7/7) \\
&:= 88/8 + ((8 \times (888 + (8 \times 88))) - 88) \\
&:= 9 + ((99999/9) + (9 \times ((9 \times (9 + 9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12660 &:= 1 + (1 + (((1 + (1 + 111))^{1+1}) - 111)) \\
&:= (22 \times ((22 + 2)^2)) - (2 \times (2 + 2 + 2)) \\
&:= 3 + ((333 \times ((33/3) + 3^3)) + 3) \\
&:= (4 \times 4 + 4) \times (((4/4 + 4)^4) + 4) + 4 \\
&:= (5 \times (((5 + 5)/5)^5 + 5^5)) - 5^5 \\
&:= 6 + (666 \times ((6/6 + 6 + 6) + 6)) \\
&:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) - 77 \\
&:= ((88 + 8)/8) \times (((88 \times (88 + 8)) - 8)/8) \\
&:= 9 + (((99 - 9/9) \times (((999/9) + 9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12661 &:= 11 \times (((1+1) \times (((1+1) \times (1+11))^{1+1})) - 1) \\
&:= (22 \times ((22+2)^2)) - (22/2) \\
&:= (33 \times ((3+3) \times ((3/3+3)^3))) - (33/3) \\
&:= ((44/4)^4) - ((44 \times 44) + 44) \\
&:= 55 + ((5/5+5) \times (5^5 - ((5-5/5)^5))) \\
&:= 6 + ((666 \times ((6/6+6+6) + 6)) + 6/6) \\
&:= 7 + (((777/7) \times (((7+7)/7)^7) - (7+7))) \\
&:= (88/8) \times (((8+8) \times ((8 \times 8) + 8)) - 8/8) \\
&:= 9 + (((((999+9)/9)^{(9+9)/9}) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12662 &:= 1 + (11 \times (((1+1) \times (((1+1) \times (1+11))^{1+1})) - 1)) \\
&:= ((2-22)/2) + (22 \times ((22+2)^2)) \\
&:= (3^3 - 3/3) \times ((3 \times ((3+3) \times 3^3)) + 3/3) \\
&:= ((4-44)/4) + (44 \times ((4 \times (4+4)) + 4^4)) \\
&:= 5 + (((5 \times ((5 \times 5) + 5^5)) - 5^5) + (((5+5)/5)^5)) \\
&:= 6 + ((666 \times ((6/6+6+6) + 6)) + ((6+6)/6)) \\
&:= 7 + ((7 \times ((7+7) \times (((7+7)/7)^7))) + (777/7)) \\
&:= 8 + ((8/8+8) \times ((88 \times (8+8)) - ((8+8)/8))) \\
&:= 999 + ((9 \times (9+9) \times ((9 \times 9) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12663 &:= (11^{1+1}) + (((1+111)^{1+1}) - (1+1)) \\
&:= 2 + ((22 \times ((22+2)^2)) - (22/2)) \\
&:= 3 \times (((3+3) \times ((3^{3+3}) - 3^3)) + 3 \times 3) \\
&:= (4-4/4) \times (((4^4+4)/4)^{(4+4)/4}) - 4 \\
&:= 5 + (((((5+5)/5) + 5)^5) - (((5-5/5)^5) + 5^5)) \\
&:= (66+6/6) \times (((666/6+66) + 6) + 6) \\
&:= ((7+7) \times (((7+7)/7)^7) + 777) - 7 \\
&:= (8/8+8) \times ((88 \times (8+8)) - 8/8) \\
&:= 999 + (9 \times ((9+9) \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12664 &:= (11^{1+1}) + (((1+111)^{1+1}) - 1) \\
&:= (22 \times ((22+2)^2)) - (2 \times (2+2)) \\
&:= 3 + ((33 \times ((3+3) \times ((3/3+3)^3))) - 33/3) \\
&:= (44 \times ((4 \times (4+4)) + 4^4)) - (4+4) \\
&:= (5-5/5) \times (((55/5) + 5^5) + 5 \times 5) + 5 \\
&:= (((6+6)/6)^6) + ((6-66) \times (6 - (6 \times 6 \times 6))) \\
&:= (7 \times 7 \times 7) + (((777/7)^{(7+7)/7}) \\
&:= (88 \times ((8 \times (8+8) + 8) + 8)) - 8 \\
&:= 9/9 + ((9 \times (9+9) \times ((9 \times 9) - 9))) + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12665 &:= (11^{1+1}) + ((1+111)^{1+1}) \\
&:= ((22/2)^2) + (((222+2)/2)^2) \\
&:= (33/3) + (333 \times ((33/3) + 3^3)) \\
&:= 4 + (((44/4)^4) - ((44 \times 44) + 44)) \\
&:= ((5-5/5) \times (55+5^5)) - 55 \\
&:= 66 + (((6-66) \times (6 - (6 \times 6 \times 6))) - 6/6) \\
&:= (((7+7)/7)^7) \times ((7 \times (7+7)) + 7/7) - 7 \\
&:= 8/8 + ((88 \times ((8 \times (8+8) + 8) + 8)) - 8) \\
&:= 9 + (((99+9) \times (99+9+9)) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12666 &:= 1 + ((11^{1+1}) + ((1+111)^{1+1})) \\
&:= (22 \times ((22+2)^2)) - (2+2+2) \\
&:= (3+3) \times ((33 \times ((3/3+3)^3)) - 3/3) \\
&:= (((4+4)/4) + 4) \times ((44 \times (44+4)) - 4/4) \\
&:= 55 + (((555/5) - 5^5) + (5 \times 5^5)) \\
&:= 66 + ((6-66) \times (6 - (6 \times 6 \times 6))) \\
&:= 7/7 + (((((7+7)/7)^7) \times ((7 \times (7+7)) + 7/7)) - 7) \\
&:= ((8+8)/8) + ((88 \times ((8 \times (8+8) + 8) + 8)) - 8) \\
&:= (999/9) + (9 \times (((9 \times (9+9)) - 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12667 &:= 11 + ((1+111) \times (1 + (1+111))) \\
&:= (22 \times ((22+2)^2)) - (2/2 + 2 + 2) \\
&:= 3/3 + ((3+3) \times ((33 \times ((3/3+3)^3)) - 3/3)) \\
&:= (44 \times ((4 \times (4+4)) + 4^4)) - (4/4 + 4) \\
&:= 55 + (((555+5)/5) - 5^5) + (5 \times 5^5) \\
&:= 66 + (((6-66) \times (6 - (6 \times 6 \times 6))) + 6/6) \\
&:= 7 + (((7+7)/7)^{7+7}) + (7 \times (7 - (7 \times 7))) \\
&:= 88/8 + ((8+8) \times ((8 \times 88) - 8/8) + 88) \\
&:= 9 + (((99+9+9)/9) \times ((9 \times (99+9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12668 &:= 1 + (11 + ((1+111) \times (1 + (1+111)))) \\
&:= (22 \times ((22+2)^2)) - (2+2) \\
&:= (3/3+3) \times ((33 \times (3 \times 33 - 3)) - 3/3) \\
&:= (44 \times ((4 \times (4+4)) + 4^4)) - 4 \\
&:= (5-5/5) \times (((((5+5)/5)^5) + 5^5) + 5) + 5 \\
&:= 66 + (((6-66) \times (6 - (6 \times 6 \times 6))) + ((6+6)/6)) \\
&:= 7 + (((777/7) \times (((7+7)/7)^7) - (7+7)) + 7) \\
&:= ((8+8)/8) \times ((88 \times ((8 \times 8) + 8)) - ((8+8)/8)) \\
&:= 99 + ((99999/9) + (9 \times (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12669 &:= 11 + (((1+(1+111))^{1+1}) - 111) \\
&:= (22 \times ((22+2)^2)) - (2/2 + 2) \\
&:= (33 \times ((3+3) \times ((3/3+3)^3))) - 3 \\
&:= 4/4 + ((44 \times ((4 \times (4+4)) + 4^4)) - 4) \\
&:= (5 \times 5 \times 5) + ((5-5/5) \times ((55/5) + 5^5)) \\
&:= (6 \times 6 / (6+6)) \times ((66 \times (((6+6)/6)^6)) - 6/6) \\
&:= ((7+7) \times (((7+7)/7)^7) + 777) - 7/7 \\
&:= 8 + ((88/8) \times (((8+8) \times ((8 \times 8) + 8)) - 8/8)) \\
&:= 9 + (((99-9/9) \times (((999/9) + 9) + 9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12670 &:= (1+1) \times (((1+1) \times ((1+11))^{1+1}) - 1) \\
&:= (22 \times ((22+2)^2)) - 2 \\
&:= 3/3 + ((33 \times ((3+3) \times ((3/3+3)^3))) - 3) \\
&:= (44 \times ((4 \times (4+4)) + 4^4)) - ((4+4)/4) \\
&:= 5 + (((5-5/5) \times (55+5^5)) - 55) \\
&:= ((6 \times 6) - 6/6) \times ((6 \times (66-6)) + ((6+6)/6)) \\
&:= (7+7) \times (((7+7)/7)^7) + 777 \\
&:= ((8+8)/8) \times ((88 \times ((8 \times 8) + 8)) - 8/8) \\
&:= ((9 \times 9) - (99/9)) \times ((9/9 + 99) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 12671 &:= ((1+1) \times (11 \times (((1+1) \times (1+11))^{1+1}))) - 1 \\ &:= (22 \times ((22+2)^2)) - 2/2 \\ &:= (33 \times ((3+3) \times ((3/3+3)^3))) - 3/3 \\ &:= (44 \times ((4 \times (4+4)) + 4^4)) - 4/4 \\ &:= ((5-5/5) \times ((55 - (55/5)) + 5^5)) - 5 \\ &:= (66 \times (((6 \times (6 \times 6 - 6)) + 6) + 6)) - 6/6 \\ &:= 7 + (((777/7)^{(7+7)/7}) + (7 \times 7 \times 7)) \\ &:= (88 \times ((8 \times (8+8) + 8) + 8)) - 8/8 \\ &:= 9999 + ((99 \times (9+9+9)) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12672 &:= (1+1) \times (11 \times (((1+1) \times (1+11))^{1+1})) \\ &:= 22 \times ((22+2)^2) \\ &:= 33 \times ((3+3) \times ((3/3+3)^3)) \\ &:= 44 \times ((4 \times (4+4)) + 4^4) \\ &:= (5-5/5) \times ((5^5 - ((55+5)/5)) + 55) \\ &:= 66 \times (((6 \times (6 \times 6 - 6)) + 6) + 6) \\ &:= (((7+7)/7)^7) \times ((7 \times (7+7)) + 7/7) \\ &:= 88 \times ((8 \times (8+8) + 8) + 8) \\ &:= 99 \times (((99/9) + 99) + 9) + 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12673 &:= 1 + ((1+1) \times (11 \times (((1+1) \times (1+11))^{1+1}))) \\ &:= 2/2 + (22 \times ((22+2)^2)) \\ &:= 3/3 + (33 \times ((3+3) \times ((3/3+3)^3))) \\ &:= 4/4 + (44 \times ((4 \times (4+4)) + 4^4)) \\ &:= ((5 \times 5) - ((5+5)/5)) \times (((5+5) \times 55) + 5/5) \\ &:= 6/6 + (66 \times (((6 \times (6 \times 6 - 6)) + 6) + 6)) \\ &:= 7/7 + (((7+7)/7)^7) \times ((7 \times (7+7)) + 7/7) \\ &:= 8/8 + (88 \times ((8 \times (8+8) + 8) + 8)) \\ &:= 9/9 + ((99 \times (9+9+9)) + 9999) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12674 &:= (1+1) \times (1 + (11 \times (((1+1) \times (1+11))^{1+1}))) \\ &:= 2 + (22 \times ((22+2)^2)) \\ &:= 3 + ((33 \times ((3+3) \times ((3/3+3)^3))) - 3/3) \\ &:= ((4+4)/4) + (44 \times ((4 \times (4+4)) + 4^4)) \\ &:= (5 \times (((5 \times 5) + 5^5) + 5) + 5) - (5^5 + 5/5) \\ &:= ((6+6)/6) + (66 \times (((6 \times (6 \times 6 - 6)) + 6) + 6)) \\ &:= 7 + (((7+7)/7)^{7+7}) + (7 \times (7 - (7 \times 7))) + 7 \\ &:= ((8+8)/8) + (88 \times ((8 \times (8+8) + 8) + 8)) \\ &:= ((9+9)/9) + ((99 \times (9+9+9)) + 9999) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12675 &:= (11 \times (1+11)) + (((1+111)^{1+1}) - 1) \\ &:= 2 + ((22 \times ((22+2)^2)) + 2/2) \\ &:= 3 + (33 \times ((3+3) \times ((3/3+3)^3))) \\ &:= 4 + ((44 \times ((4 \times (4+4)) + 4^4)) - 4/4) \\ &:= (5 \times (((5 \times 5) + 5^5) + 5) + 5) - 5^5 \\ &:= (6 \times 6 / (6+6)) \times ((66 - 6/6)^{(6+6)/6}) \\ &:= ((7/7 + 7) + 7) \times (((77 \times 77) - (7+7))/7) \\ &:= 88/8 + ((88 \times ((8 \times (8+8) + 8) + 8)) - 8) \\ &:= 9 + ((9 \times ((9 \times ((9 \times (9+9)) - 9)) + 9) + 9)) + (999/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12676 &:= (11 \times (1+11)) + ((1+111)^{1+1}) \\ &:= 2 + ((22 \times ((22+2)^2)) + 2) \\ &:= 3 + ((33 \times ((3+3) \times ((3/3+3)^3))) + 3/3) \\ &:= 4 + (44 \times ((4 \times (4+4)) + 4^4)) \\ &:= (5-5/5) \times ((55 - (55/5)) + 5^5) \\ &:= 6 + (((6 \times 6) - 6/6) \times ((6 \times (66 - 6)) + ((6+6)/6))) \\ &:= 7 + (((7+7) \times (((7+7)/7)^7) + 777) - 7/7) \\ &:= ((8+8)/8) \times ((88 \times ((8 \times 8) + 8)) + ((8+8)/8)) \\ &:= (9 \times (9 \times (9 \times (9+9)))) - (((9 \times (9 \times 99)) + 9) / (9+9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12677 &:= 1 + ((11 \times (1+11)) + ((1+111)^{1+1})) \\ &:= 2 + (((22 \times ((22+2)^2)) + 2/2) + 2) \\ &:= 3 + (((33 \times ((3+3) \times ((3/3+3)^3))) - 3/3) + 3) \\ &:= 4 + ((44 \times ((4 \times (4+4)) + 4^4)) + 4/4) \\ &:= 5 + ((5-5/5) \times ((5^5 - ((55+5)/5)) + 55)) \\ &:= 6 + ((66 \times (((6 \times (6 \times 6 - 6)) + 6) + 6)) - 6/6) \\ &:= 7 + ((7+7) \times (((7+7)/7)^7) + 777) \\ &:= 8 + (((88/8) \times (((8+8) \times ((8 \times 8) + 8)) - 8/8)) + 8) \\ &:= (9 \times (9 \times (9 \times (9+9)))) + ((9 - (9 \times (9 \times 99))) / (9+9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12678 &:= 1 + (1 + ((11 \times (1+11)) + ((1+111)^{1+1}))) \\ &:= 2 + (((22 \times ((22+2)^2)) + 2) + 2) \\ &:= 3 + ((33 \times ((3+3) \times ((3/3+3)^3))) + 3) \\ &:= 4 + ((44 \times ((4 \times (4+4)) + 4^4)) + ((4+4)/4)) \\ &:= 5 + (((5 \times 5) - ((5+5)/5)) \times (((5+5) \times 55) + 5/5)) \\ &:= 6 + (66 \times (((6 \times (6 \times 6 - 6)) + 6) + 6)) \\ &:= 7 + (((777/7)^{(7+7)/7}) + (7 \times 7 \times 7)) + 7 \\ &:= 8 + (((8+8)/8) \times ((88 \times ((8 \times 8) + 8)) - 8/8)) \\ &:= ((9+9) \times ((9 \times (9 \times 9)) - (9+9))) - ((999/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12679 &:= 1 + (1 + (1 + ((11 \times (1+11)) + ((1+111)^{1+1})))) \\ &:= 2 + (((22 \times ((22+2)^2)) + 2/2) + 2) + 2 \\ &:= ((3-3/3)^{3 \times 3}) + ((3^3 - (3/3+3)^3)^3) \\ &:= 4 + (((44 \times ((4 \times (4+4)) + 4^4)) - 4/4) + 4) \\ &:= 55 + ((5 \times ((5 \times 5) + 5^5)) - (5^5 + 5/5)) \\ &:= 6 + ((66 \times (((6 \times (6 \times 6 - 6)) + 6) + 6)) + 6/6) \\ &:= 7 + (((7+7)/7)^7) \times ((7 \times (7+7)) + 7/7) \\ &:= 8 + ((88 \times ((8 \times (8+8) + 8) + 8)) - 8/8) \\ &:= 9 + (((9 \times 9) - (99/9)) \times ((9/9 + 99) + (9 \times 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12680 &:= ((1+1)^{1+1+1}) \times (1 + (11 \times ((1+11)^{1+1}))) \\ &:= (2 \times (2+2)) + (22 \times ((22+2)^2)) \\ &:= ((3^3 - 3)^3) - ((3333/3) + 33) \\ &:= 4 + ((44 \times ((4 \times (4+4)) + 4^4)) + 4) \\ &:= 55 + ((5 \times ((5 \times 5) + 5^5)) - 5^5) \\ &:= (6 \times (6 \times ((6 \times (66 - 6)) - 6))) - (((6+6)/6)^6) \\ &:= (7 \times (7 \times (7 \times 7 \times 7 - (77+7)))) - (77/7) \\ &:= 8 + (88 \times ((8 \times (8+8) + 8) + 8)) \\ &:= 9 + (((99 \times (9+9+9)) - 9/9) + 9999) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12681 &:= (111^{1+1}) + ((1+1+1) \times ((11^{1+1}) - 1)) \\
&:= (22/2) + ((22 \times ((22+2)^2)) - 2) \\
&:= 3 \times (((33 \times 3^3) + 3333) + 3) \\
&:= 4 + (((44 \times ((4 \times (4+4)) + 4^4)) + 4/4) + 4) \\
&:= 5 + ((5 - 5/5) \times ((55 - (55/5)) + 5^5)) \\
&:= (6 \times (66 - 6)) + (((666/6)^{6+6/6}) \\
&:= 77 + (((7+7)/7)^{7+7}) - ((7 \times (7 \times 77)) + 7) \\
&:= (8/8+8) \times ((88 \times (8+8)) + 8/8) \\
&:= 9 + ((99 \times (9+9+9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12682 &:= (111^{1+1}) + (((1+1) \times (11-1)) - 1)^{1+1} \\
&:= 2 + ((22 \times ((22+2)^2)) + (2 \times (2+2))) \\
&:= 3 + (((3^3 - (3/3+3))^3) + ((3-3/3)^{3 \times 3})) \\
&:= ((44-4)/4) + (44 \times ((4 \times (4+4)) + 4^4)) \\
&:= (((5+5)/5) + 5^5) - (5 \times (55 \times (5+5+5))) \\
&:= ((66-6)/6) + (66 \times (((6 \times (6 \times 6-6)) + 6) + 6)) \\
&:= 7 + (((7/7+7) + 7) \times (((77 \times 77) - (7+7))/7)) \\
&:= 8 + ((88 \times ((8 \times (8+8) + 8) + 8)) + ((8+8)/8)) \\
&:= ((9-9/9) + 9) \times (((9 \times (9 \times 9)) - 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12683 &:= 11 \times (1 + ((1+1) \times (((1+1) \times (1+11))^{1+1}))) \\
&:= (22/2) + (22 \times ((22+2)^2)) \\
&:= (33/3) + (33 \times ((3+3) \times ((3/3+3)^3))) \\
&:= (44/4) + (44 \times ((4 \times (4+4)) + 4^4)) \\
&:= 55 + ((5-5/5) \times (((5+5)/5)^5) + 5^5) \\
&:= (66/6) + (66 \times (((6 \times (6 \times 6-6)) + 6) + 6)) \\
&:= 77/7 \times ((7777/7 - 7) + (7 \times 7)) \\
&:= 88/8 + (88 \times ((8 \times (8+8) + 8) + 8)) \\
&:= (99/9) + ((99 \times (9+9+9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12684 &:= (111^{1+1}) + (11 \times (11 \times (1+1+1))) \\
&:= (2+2+2) \times (((2 \times 22+2)^2) - 2) \\
&:= (3/3+3) \times ((33 \times (3 \times 33-3)) + 3) \\
&:= 4 + (((44 \times ((4 \times (4+4)) + 4^4)) + 4) + 4) \\
&:= (5-5/5) \times (((55 - (5+5)) + 5^5) + 5/5) \\
&:= 6 \times (((6+6)/6)^{66/6}) + 66 \\
&:= (7 \times (7 \times (7 \times 7 \times 7 - (77+7)))) - 7 \\
&:= ((88+8)/8) + (88 \times ((8 \times (8+8) + 8) + 8)) \\
&:= (((9+9+9)/9) + (9 \times 9)) \times ((9 \times (9+9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12685 &:= 1 + ((111^{1+1}) + (11 \times (11 \times (1+1+1)))) \\
&:= 2 + ((22 \times ((22+2)^2)) + (22/2)) \\
&:= (((3+3)^3) - 3/3) \times ((33 - 3/3) + 3^3) \\
&:= (44 - 4/4) \times ((4^4 - (4/4+4)) + 44) \\
&:= 5 + (((5 \times ((5 \times 5) + 5^5)) - 5^5) + 55) \\
&:= (66 - (6/6+6)) \times ((6 \times 6 \times 6) - 6/6) \\
&:= 7/7 + ((7 \times (7 \times (7 \times 7 \times 7 - (77+7)))) - 7) \\
&:= ((88+8+8)/8) + (88 \times ((8 \times (8+8) + 8) + 8)) \\
&:= 9999/9 + ((99 \times (99+9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12686 &:= ((1+11)^{1+1}) + (((1+111)^{1+1}) - (1+1)) \\
&:= 2 + ((2+2+2) \times (((2 \times 22+2)^2) - 2)) \\
&:= ((3^3 - 3)^3) - ((3333/3) + 3^3) \\
&:= 4 + ((44 \times ((4 \times (4+4)) + 4^4)) + ((44-4)/4)) \\
&:= 5 + (((5-5/5) \times ((55 - (55/5)) + 5^5)) + 5) \\
&:= 6 + ((6 \times (6 \times ((6 \times (66-6)) - 6))) - (((6+6)/6)^6)) \\
&:= 7 + (((7+7)/7)^7) \times ((7 \times (7+7)) + 7/7) + 7 \\
&:= ((8+8)/8) \times (((88 \times ((8 \times 8) + 8)) - 8/8) + 8) \\
&:= ((9+9) \times ((9 \times (9 \times 9)) - (9+9))) - ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12687 &:= ((1+11)^{1+1}) + (((1+111)^{1+1}) - 1) \\
&:= 2 + (((22 \times ((22+2)^2)) + (22/2)) + 2) \\
&:= 33 + (333 \times ((33/3) + 3^3)) \\
&:= (4^4 \times ((44+4) + 4)) - ((4/4+4)^4) \\
&:= 5 + (((5+5)/5) + 5^5) - (5 \times (55 \times (5+5+5))) \\
&:= 6 + (((666/6)^{6+6/6}) + (6 \times (66-6))) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - (77+7)))) - (77/7)) \\
&:= 8 + (((88 \times ((8 \times (8+8) + 8) + 8)) - 8/8) + 8) \\
&:= ((9+9) \times ((9 \times (9 \times 9)) - (9+9))) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12688 &:= ((1+11)^{1+1}) + ((1+111)^{1+1}) \\
&:= (2^{2+2}) + (22 \times ((22+2)^2)) \\
&:= (3-3/3) \times (((3^{3 \times 3}) - 3)/3) - ((3+3)^3) \\
&:= 4 \times ((44 \times (((4 \times (4 \times 4)) + 4) + 4)) + 4) \\
&:= ((55+5/5) + 5) \times ((5^5 - 5)/(5+5+5)) \\
&:= (((66-6)/6) + 6) \times ((66 \times (6+6)) + 6/6) \\
&:= 77 + (((7+7)/7)^{7+7}) - (7 \times (7 \times 77)) \\
&:= 8 + ((88 \times ((8 \times (8+8) + 8) + 8)) + 8) \\
&:= (((999+9) + 9)/9)^{(9+9)/9} - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12689 &:= 1 + (((1+11)^{1+1}) + ((1+111)^{1+1})) \\
&:= 2/2 + ((22 \times ((22+2)^2)) + (2^{2+2})) \\
&:= (3 \times ((3+3) \times (((3^{3+3}) - 3^3) + 3))) - 3/3 \\
&:= ((44/4)^4) - ((44 \times 44) + 4 \times 4) \\
&:= ((5-5/5) \times ((5 \times (5+5)) + 5^5)) - (55/5) \\
&:= 6 + ((66 \times (((6 \times (6 \times 6-6)) + 6) + 6)) + (66/6)) \\
&:= (7 \times (7 \times (7 \times 7 \times 7 - (77+7)))) - ((7+7)/7) \\
&:= 8 + ((8/8+8) \times ((88 \times (8+8)) + 8/8)) \\
&:= (99 \times (99+9)) + (((9+9) \times 999) - 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12690 &:= 1 + (1 + (((1+11)^{1+1}) + ((1+111)^{1+1}))) \\
&:= 2 + ((22 \times ((22+2)^2)) + (2^{2+2})) \\
&:= 3 \times ((3+3) \times (((3^{3+3}) - 3^3) + 3)) \\
&:= (((4+4)/4) + 4 \times 4) \times ((4 \times 4 \times 44) + 4/4) \\
&:= 5 \times (5^5 - (((5+5)/5)^5) + 555) \\
&:= 6 + (6 \times (((6+6)/6)^{66/6}) + 66) \\
&:= ((7/7+7) + 7) \times (((77 \times 77) - 7)/7) \\
&:= (8/8+8) \times ((88 \times (8+8)) + ((8+8)/8)) \\
&:= ((9+9) \times ((9 \times (9 \times 9)) - (9+9))) - (99+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12691 &:= (111^{1+1}) + ((1111 - 1)/(1 + 1 + 1)) \\
&:= 22 + ((22 \times ((22 + 2)^2)) - (2/2 + 2)) \\
&:= ((3 \times (3 + 3))^3) + (((3 \times (3 + 3)) + 3/3)^3) \\
&:= ((44 + 4/4) + 4) \times ((4^4 - 4/4) + 4) \\
&:= ((5 - 5/5) \times ((55 - 5/5) + 5^5)) - (5 \times 5) \\
&:= 6 + ((66 - (6/6 + 6)) \times ((6 \times 6 \times 6) - 6/6)) \\
&:= 7 \times (7 \times (7 \times 7 \times 7 - (77 + 7))) \\
&:= 8 + ((88 \times ((8 \times (8 + 8) + 8) + 8)) + (88/8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12692 &:= (1 + 1) \times ((11 \times (1 + (((1 + 1) \times (1 + 11))^{1+1}))) - 1) \\
&:= 22 + ((22 \times ((22 + 2)^2)) - 2) \\
&:= ((33/3) + 3^3) \times (333 + 3/3) \\
&:= 4 + ((444 \times (44 - 4 \times 4)) + 4^4) \\
&:= (5 - 5/5) \times ((5^5 - (((5 + 5)/5) + 5)) + 55) \\
&:= ((6/6 + 6 + 6) + 6) \times (666 + ((6 + 6)/6)) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 \times 7 - (77 + 7)))) \\
&:= 8 + ((88 \times ((8 \times (8 + 8) + 8) + 8)) + ((88 + 8)/8)) \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9))) + 9)) - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12693 &:= ((1 + 1) \times (11 \times (1 + (((1 + 1) \times (1 + 11))^{1+1})))) - 1 \\
&:= 22 + ((22 \times ((22 + 2)^2)) - 2/2) \\
&:= 3 + (3 \times ((3 + 3) \times (((3^{3+3}) - 3^3) + 3))) \\
&:= 4 + (((44/4)^4) - ((44 \times 44) + 4 \times 4)) \\
&:= 5 + (((55 + 5/5) + 5) \times ((5^5 - 5)/(5 + 5 + 5))) \\
&:= (6 \times 6/(6 + 6)) \times (((66 - 6/6)^{(6+6)/6}) + 6) \\
&:= ((7 + 7)/7) + (7 \times (7 \times (7 \times 7 \times 7 - (77 + 7)))) \\
&:= 8 + ((88 \times ((8 \times (8 + 8) + 8) + 8)) + ((88 + 8 + 8)/8)) \\
&:= (99 \times (99 + 9 + 9)) + ((9999 - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12694 &:= (1 + 1) \times (11 \times (1 + (((1 + 1) \times (1 + 11))^{1+1}))) \\
&:= 22 + (22 \times ((22 + 2)^2)) \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) + ((3 \times (3 + 3))^3) \\
&:= (44/4) \times (((4444 - 4)/4) + 44) \\
&:= (55/5) \times (((5 - 5/5)^5) + 5 \times 5 \times 5) + 5 \\
&:= 6 + (((66 - 6)/6) + 6) \times ((66 \times (6 + 6)) + 6/6) \\
&:= 77/7 \times (((77 \times (7 + 7)) - 7/7) + 77) \\
&:= ((8 + 8)/8) \times ((88 \times ((8 \times 8) + 8)) + (88/8)) \\
&:= 9999/9 + (99 \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12695 &:= ((1 + 1)^{11}) + (((11 + 11)^{1+1+1}) - 1) \\
&:= 22 + ((22 \times ((22 + 2)^2)) + 2/2) \\
&:= 3 + (((33/3) + 3^3) \times (333 + 3/3)) \\
&:= 4 + (((44 + 4/4) + 4) \times ((4^4 - 4/4) + 4)) \\
&:= ((5 - 5/5) \times (55 + 5^5)) - (5 \times 5) \\
&:= (66/6) + (6 \times (((6 + 6)/6)^{66/6}) + 66) \\
&:= 7 + (((((7 + 7)/7)^{7+7}) - (7 \times (7 \times 7))) + 77) \\
&:= 8 + (((88 \times ((8 \times (8 + 8) + 8) + 8)) - 8/8) + 8) + 8 \\
&:= (99 \times (99 + 9 + 9)) + ((9999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12696 &:= ((1 + 1)^{11}) + ((11 + 11)^{1+1+1}) \\
&:= (2 + 2 + 2) \times ((2 \times 22 + 2)^2) \\
&:= 3 + ((3 \times ((3 + 3) \times (((3^{3+3}) - 3^3) + 3))) + 3) \\
&:= (4 + 4) \times (((44/4)^{4-4/4}) + 4^4) \\
&:= (5 - 5/5) \times ((55 - (5/5 + 5)) + 5^5) \\
&:= 6 \times (((66 - 6)/6) + (6 \times 6))^{(6+6)/6} \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - (77 + 7)))) - ((7 + 7)/7)) \\
&:= 8 + (((88 \times ((8 \times (8 + 8) + 8) + 8)) + 8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12697 &:= 1 + (((1 + 1)^{11}) + ((11 + 11)^{1+1+1})) \\
&:= 2/2 + ((2 + 2 + 2) \times ((2 \times 22 + 2)^2)) \\
&:= ((33/3)^{3+3+3}) - (3 \times (3 \times ((3 + 3)^3))) \\
&:= ((44/4)^4) - (((44 \times 44) + 4) + 4) \\
&:= 5 + ((5 - 5/5) \times ((5^5 - (((5 + 5)/5) + 5)) + 55)) \\
&:= (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) - (66/6) \\
&:= 7 + (((7/7 + 7) + 7) \times (((77 \times 77) - 7)/7)) \\
&:= 8 + (((8/8 + 8) \times ((88 \times (8 + 8) + 8/8)) + 8) \\
&:= 9 + (((999 + 9) + 9)/9)^{(9+9)/9} - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12698 &:= 1 + (1 + (((1 + 1)^{11}) + ((11 + 11)^{1+1+1}))) \\
&:= 2 + ((2 + 2 + 2) \times ((2 \times 22 + 2)^2)) \\
&:= ((3^3 - 3)^3) - (((3 \times 3 + 3 + 3)^3) + 3)/3 \\
&:= 4 + (((44 \times (4^4 + 4))/(4 + 4)) + (4^4 \times 44)) \\
&:= ((5 - 5/5) \times ((5 \times (5 + 5)) + 5^5)) - ((5 + 5)/5) \\
&:= 6 + (((6/6 + 6 + 6) + 6) \times (666 + ((6 + 6)/6))) \\
&:= 7 + (7 \times (7 \times (7 \times 7 \times 7 - (77 + 7)))) \\
&:= 8 + ((8/8 + 8) \times ((88 \times (8 + 8)) + ((8 + 8)/8))) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12699 &:= 11 + (((1 + 11)^{1+1}) + ((1 + 111)^{1+1+1})) \\
&:= 2 + (((2 + 2 + 2) \times ((2 \times 22 + 2)^2)) + 2/2) \\
&:= 3 \times (((3 + 3) \times (((3^{3+3}) - 3^3) + 3)) + 3) \\
&:= 4 + (((44 + 4/4) + 4) \times ((4^4 - 4/4) + 4)) + 4 \\
&:= ((5 - 5/5) \times ((5 \times (5 + 5)) + 5^5)) - 5/5 \\
&:= (((6 \times 6) - 6/6) \times ((66 \times 66)/(6 + 6))) - 6 \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - (77 + 7)))) + 7/7) \\
&:= (8/8 + 8) \times (((88 \times (8 + 8)) - 8) + (88/8)) \\
&:= ((9 - 9/9) + 9) \times (((9 \times (9 \times 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12700 &:= ((1 + 111)^{1+1}) + ((1 + 11) \times (1 + 1 + 11)) \\
&:= 2 + (((2 + 2 + 2) \times ((2 \times 22 + 2)^2)) + 2) \\
&:= ((3^3 - 3)^3) + ((3 - ((3 \times 3 + 3 + 3)^3))/3) \\
&:= ((4 + 4) \times ((44 \times ((4 \times (4 + 4)) + 4)) + 4)) - 4 \\
&:= (5 - 5/5) \times ((5 \times (5 + 5)) + 5^5) \\
&:= (((6 + 6)/6)^6) + ((6 + 6 + 6) \times (666 + (6 \times 6))) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - (77 + 7)))) + (7 + 7)/7) \\
&:= ((8 \times (8 + 8)) - 8/8) \times (((88 + 8)/8) + 88) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) + 9)) - (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12701 &:= 1 + (((1 + 111)^{1+1}) + ((1 + 11) \times (1 + 1 + 11))) \\
 &:= ((22/2)^{2+2}) - (((2 \times 22)^2) + 2) + 2 \\
 &:= 3 + (((3^3 - 3)^3) - (((3 \times 3 + 3 + 3)^3) + 3)/3) \\
 &:= ((44/4)^4) - ((44 \times 44) + 4) \\
 &:= 5/5 + ((5 - 5/5) \times ((5 \times (5 + 5)) + 5^5)) \\
 &:= (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) - (6/6 + 6) \\
 &:= 7 + ((77/7) \times (((77 \times (7 + 7)) - 7/7) + 77)) \\
 &:= ((88 + 8 + 8)/8) \times (((88 \times 88) + 8)/8) + 8 \\
 &:= ((9 + 9)/9) + (((9 - 9/9) + 9) \times (((9 \times (9 \times 9)) + 9) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12706 &:= 1 + (11 \times (((1 + (11 \times (1 + 1 + 1)))^{1+1}) - 1)) \\
 &:= ((2 + 2 + 2) \times (((2 \times 22 + 2)^2) + 2)) - 2 \\
 &:= 3/3 + ((33 \times ((3 + 3) \times ((3/3 + 3)^3))) + 33) \\
 &:= 4/4 + (((44/4)^4) - (44 \times 44)) \\
 &:= 5 + (((5 - 5/5) \times ((5 \times (5 + 5)) + 5^5)) + 5/5) \\
 &:= (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) - ((6 + 6)/6) \\
 &:= 7/7 + (77 \times (((77/7) + 77) + 77)) \\
 &:= 8 + (((8/8 + 8) \times ((88 \times (8 + 8)) + ((8 + 8)/8))) + 8) \\
 &:= (9 \times (9 + 9)) + (((999 + 9)/9)^{(9+9)/9})
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12702 &:= ((1 + 1 + 11)^{1+1}) + (((1 + 111)^{1+1}) - 11) \\
 &:= (2/2 + 2) \times ((2 \times ((2 \times 22 + 2)^2) + 2) \\
 &:= (((3 + 3)^3) + 3) \times (((3/3 + 3)^3) - (3 + 3)) \\
 &:= 4/4 + (((44/4)^4) - ((44 \times 44) + 4)) \\
 &:= ((5 + 5)/5) + ((5 - 5/5) \times ((5 \times (5 + 5)) + 5^5)) \\
 &:= (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) - 6 \\
 &:= (77/7) + (7 \times (7 \times (7 \times 7 \times 7 - (77 + 7)))) \\
 &:= 8 + (((8 + 8)/8) \times ((88 \times ((8 \times 8) + 8)) + (88/8))) \\
 &:= ((9/9 - 9) + (9 \times 9)) \times (((99 + 9)/9) + (9 \times (9 + 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12707 &:= 1 + (1 + (11 \times (((1 + (11 \times (1 + 1 + 1)))^{1+1}) - 1))) \\
 &:= 2 + (((22/2)^{2+2}) - ((2 \times 22)^2)) \\
 &:= (3^{3+3}) + ((3 \times (3 \times ((33/3)^3))) - 3/3) \\
 &:= ((4 + 4)/4) + (((44/4)^4) - (44 \times 44)) \\
 &:= ((5 - 5/5) \times ((55 - ((5 + 5)/5)) + 5^5)) - 5 \\
 &:= (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) - 6/6 \\
 &:= ((7 + 7)/7) + (77 \times (((77/7) + 77) + 77)) \\
 &:= 8 + (((8/8 + 8) \times ((88 \times (8 + 8)) - 8) + (88/8))) \\
 &:= (9 \times (((9 + 9)/9)^9) + (9 \times 99) + 9) - 9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12703 &:= (11 \times (((1 + (11 \times (1 + 1 + 1)))^{1+1}) - 1)) - (1 + 1) \\
 &:= ((22/2)^{2+2}) - (((2 \times 22)^2) + 2) \\
 &:= 3 + (((3 - ((3 \times 3 + 3 + 3)^3))/3) + ((3^3 - 3)^3)) \\
 &:= ((44/4)^4) - ((44 \times 44) + ((4 + 4)/4)) \\
 &:= 5 + (((5 - 5/5) \times ((5 \times (5 + 5)) + 5^5)) - ((5 + 5)/5)) \\
 &:= 6/6 + ((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) - 6) \\
 &:= 7 \times 7 + (((777/7) \times (((7 + 7)/7)^7) - (7 + 7)) \\
 &:= 888 + ((88888/8) + (8 \times 88)) \\
 &:= 9 + ((99 \times (99 + 9 + 9)) + 9999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12708 &:= (1 + 11) \times (1 + ((1 + 1) \times ((1 + 11 + 11)^{1+1}))) \\
 &:= (2 + 2 + 2) \times (((2 \times 22 + 2)^2) + 2) \\
 &:= 3 \times (3 \times (((33/3)^3) + (3 \times 3^3))) \\
 &:= 4 + ((4 + 4) \times ((44 \times ((4 \times (4 + 4)) + 4)) + 4)) \\
 &:= (5 \times 5^5) + (((5^5 - 5)/5) + 5 + 5) - 5^5 \\
 &:= 6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6) \\
 &:= (7 - 7/7) \times (((7 + 7)/7)^{7/7} - 7) + 77 \\
 &:= (8/8 + 8) \times ((88 \times (8 + 8)) + (8 \times 8/(8 + 8))) \\
 &:= 9 \times (((9 + 9)/9)^9) + (9 \times 99) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12704 &:= (11 \times (((1 + (11 \times (1 + 1 + 1)))^{1+1}) - 1)) - 1 \\
 &:= (2^{2+2}) \times ((22 \times ((2 + 2 + 2)^2) + 2) \\
 &:= (33 - 3/3) \times ((33 \times (3 \times 3 + 3)) + 3/3) \\
 &:= (4 + 4) \times ((44 \times ((4 \times (4 + 4)) + 4)) + 4) \\
 &:= (5 - 5/5) \times (((5/5 - 5) + 55) + 5^5) \\
 &:= ((6 \times 66) + 6/6) \times (((6 + 6)/6) - 6) + (6 \times 6) \\
 &:= (77 \times (((77/7) + 77) + 77)) - 7/7 \\
 &:= (8 + 8) \times (((8 + 8)/8) + (8 \times 88)) + 88 \\
 &:= ((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - (((9 + 9)/9)^{9-9/9})
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12709 &:= 1 + ((1 + 11) \times (1 + ((1 + 1) \times ((1 + 11 + 11)^{1+1})))) \\
 &:= 2 + (((22/2)^{2+2}) - ((2 \times 22)^2) + 2) \\
 &:= 3/3 + ((3 \times (3 \times ((33/3)^3))) + (3^{3+3})) \\
 &:= 4 + (((44/4)^4) - (44 \times 44)) \\
 &:= (5 \times 5^5) - ((55 - 5/5)^{(5+5)/5}) \\
 &:= 6/6 + (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) \\
 &:= (((7 + 7)/7)^{7+7}) + (7 \times ((7 - (7 \times 77)) + 7)) \\
 &:= (8 \times (888 + (8 \times 88))) - (((88/8) + 8) + 8) \\
 &:= 9/9 + (9 \times (((9 + 9)/9)^9) + (9 \times 99) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12705 &:= 11 \times (((1 + (11 \times (1 + 1 + 1)))^{1+1}) - 1) \\
 &:= ((22/2)^{2+2}) - ((2 \times 22)^2) \\
 &:= 33 + (33 \times ((3 + 3) \times ((3/3 + 3)^3))) \\
 &:= ((44/4)^4) - (44 \times 44) \\
 &:= 5 + ((5 - 5/5) \times ((5 \times (5 + 5)) + 5^5)) \\
 &:= ((6 \times 6) - 6/6) \times ((66 \times 66)/(6 + 6)) \\
 &:= 77 \times (((77/7) + 77) + 77) \\
 &:= (8 \times (8 \times (88 + 8))) + (((88/8) - 8)^8) \\
 &:= (9 \times (9 \times 9)) + (((99 + 9)/9) \times (999 - 9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12710 &:= (111^{1+1}) + (((1 + 1) \times (11 - 1))^{1+1}) - 11 \\
 &:= 2 + ((2 + 2 + 2) \times (((2 \times 22 + 2)^2) + 2)) \\
 &:= ((3^3 - 3)^3) - ((3333/3) + 3) \\
 &:= 4 + (((44/4)^4) - (44 \times 44)) + 4/4 \\
 &:= ((5 - 5/5) \times (55 + 5^5)) - (5 + 5) \\
 &:= ((6 + 6)/6) + (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) \\
 &:= (((7 \times 7) - 7/7) + 7) \times (((7 + 7)/7)^7) + 77 \\
 &:= ((8 + 8)/8) \times (((88 \times ((8 \times 8) + 8)) + (88/8)) + 8) \\
 &:= (9/9 + (9 \times 9)) \times (((9 + 9)/9) - 9) + (9 \times (9 + 9))
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12711 &:= (1 + ((1 + 1) \times 111)) \times (1 + ((1 + 111)/(1 + 1))) \\
&:= ((2 \times (22 - 2))^2) + (22222/2) \\
&:= 3 + ((3 \times (3 \times ((33/3)^3))) + (3^{3+3})) \\
&:= (((4 - 4/4) + 4)^{4/4+4}) - ((4 + 4)^4) \\
&:= ((5 - 5/5) \times ((55 - 5/5) + 5^5)) - 5 \\
&:= 6 + (((6 \times 6) - 6/6) \times ((66 \times 66)/(6 + 6))) \\
&:= 7 + ((77 \times (((77/7) + 77) + 77)) - 7/7) \\
&:= (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - (8/8 + 88) \\
&:= ((9/9 - (9 \times 9)) \times (((9 + 9 + 9)/9) - (9 \times (9 + 9)))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12712 &:= ((1 + 1 + 11)^{1+1}) + (((1 + 111)^{1+1}) - 1) \\
&:= (22 \times (((22 + 2)^2) + 2)) - (2 + 2) \\
&:= ((3^3 - 3)^3) - ((3333 + 3)/3) \\
&:= 44 + ((44 \times ((4 \times (4 + 4)) + 4^4)) - 4) \\
&:= (5 - 5/5) \times ((55 - ((5 + 5)/5)) + 5^5) \\
&:= 6 + ((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) - ((6 + 6)/6)) \\
&:= 7 + (77 \times (((77/7) + 77) + 77)) \\
&:= (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 88 \\
&:= 9 + (((99 \times (99 + 9 + 9)) + 9999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12713 &:= ((1 + 1 + 11)^{1+1}) + ((1 + 111)^{1+1}) \\
&:= (22 \times (((22 + 2)^2) + 2)) - (2/2 + 2) \\
&:= ((3^3 - 3)^3) - (3333/3) \\
&:= 4 + (((44/4)^4) - (44 \times 44) + 4) \\
&:= ((5 - 5/5) \times (55 + 5^5)) - (((5 + 5)/5) + 5) \\
&:= 6 + ((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) - 6/6) \\
&:= (7 \times (7 \times 7 + 7)) + ((777/7)^{(7+7)/7}) \\
&:= 8 + ((8 \times (8 \times (88 + 8))) + (((88/8) - 8)^8)) \\
&:= ((9 + 9 + 9) \times (((9 + 9)/9)^9)) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12714 &:= (11 \times ((1 + (11 \times (1 + 1 + 1))))^{1+1}) - (1 + 1) \\
&:= (22 \times (((22 + 2)^2) + 2)) - 2 \\
&:= (3^{3+3}) + (((33 + 3) \times 333) - 3) \\
&:= 4 + (((44/4)^4) - (44 \times 44) + 4/4) + 4 \\
&:= ((5 - 5/5) \times (55 + 5^5)) - (5/5 + 5) \\
&:= 6 + (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) \\
&:= 7 \times 7 + (((((7 + 7)/7)^7) \times ((7 \times (7 + 7)) + 7/7)) - 7) \\
&:= ((8 + 8)/8) + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 88) \\
&:= ((9 \times (9 + 9)) + 9/9) \times ((9 \times 9) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12715 &:= (11 \times ((1 + (11 \times (1 + 1 + 1))))^{1+1}) - 1 \\
&:= (22 \times (((22 + 2)^2) + 2)) - 2/2 \\
&:= 3 + (((3^3 - 3)^3) - ((3333 + 3)/3)) \\
&:= 4 + (((4 - 4/4) + 4)^{4/4+4}) - ((4 + 4)^4) \\
&:= ((5 - 5/5) \times (55 + 5^5)) - 5 \\
&:= 6 + ((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) + 6/6) \\
&:= 7 + ((7 - 7/7) \times (((((7 + 7)/7)^{7/7}) - 7) + 77)) \\
&:= 8 + (((8/8 + 8) \times (((88 \times (8 + 8)) - 8) + (88/8))) + 8) \\
&:= 9 + (((999 + 9)/9)^{(9+9)/9}) + (9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12716 &:= 11 \times ((1 + (11 \times (1 + 1 + 1))))^{1+1}) \\
&:= 22 \times (((22 + 2)^2) + 2) \\
&:= 3 + (((3^3 - 3)^3) - (3333/3)) \\
&:= 44 + (44 \times ((4 \times (4 + 4)) + 4^4)) \\
&:= (5 - 5/5) \times ((55 - 5/5) + 5^5) \\
&:= (66/6) \times (((6 \times 6) - ((6 + 6)/6))^{(6+6)/6}) \\
&:= 77/7 \times (((77 \times (7 + 7)) + 7/7) + 77) \\
&:= 8 + ((8/8 + 8) \times ((88 \times (8 + 8)) + (8 \times 8/(8 + 8)))) \\
&:= 9 \times 9 + (((99 + 9) \times (99 + 9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12717 &:= 1 + (11 \times ((1 + (11 \times (1 + 1 + 1))))^{1+1}) \\
&:= 2/2 + (22 \times (((22 + 2)^2) + 2)) \\
&:= 3^3 \times (((3 + 3) \times ((3 \times 3^3) - 3)) + 3) \\
&:= 4 + (((44/4)^4) - (44 \times 44) + 4) + 4 \\
&:= 5 + ((5 - 5/5) \times ((55 - ((5 + 5)/5)) + 5^5)) \\
&:= (6 \times 66) + ((666/6)^{(6+6)/6}) \\
&:= 7 + (((((7 \times 7) - 7/7) + 7) + 7) \times (((7 + 7)/7)^7) + 77) \\
&:= (8 \times (888 + (8 \times 88))) - ((88/8) + 8) \\
&:= 9 \times (((9 + 9) \times (9 \times 9) - ((9 + 9)/9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12718 &:= 1 + (1 + (11 \times ((1 + (11 \times (1 + 1 + 1))))^{1+1})) \\
&:= 2 + (22 \times (((22 + 2)^2) + 2)) \\
&:= 3/3 + (((33 + 3) \times 333) + (3^{3+3})) \\
&:= (((4 \times 4) + 44) \times (4^4 - 44) - ((4 + 4)/4)) \\
&:= ((5 - 5/5) \times (55 + 5^5)) - ((5 + 5)/5) \\
&:= 6/6 + (((666/6)^{(6+6)/6}) + (6 \times 66)) \\
&:= 77 + (((7 + 7) \times ((7 \times ((7 + 7)/7)^7) + 7)) - 7/7) \\
&:= 8 \times 8 + ((8/8 + 8) \times ((88 \times (8 + 8)) - ((8 + 8)/8))) \\
&:= 9/9 + (((99 + 9) \times (99 + 9 + 9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12719 &:= 1 + (1 + (1 + (11 \times ((1 + (11 \times (1 + 1 + 1))))^{1+1}))) \\
&:= 2 + ((22 \times (((22 + 2)^2) + 2)) + 2/2) \\
&:= 3 + (((3^3 - 3)^3) - (3333/3)) + 3 \\
&:= (((4 \times 4) + 44) \times (4^4 - 44) - 4/4) \\
&:= ((5 - 5/5) \times (55 + 5^5)) - 5/5 \\
&:= (66/6) + (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) \\
&:= 77 + ((7 + 7) \times ((7 \times (((7 + 7)/7)^7) + 7)) \\
&:= (8 \times (888 + (8 \times 88))) - (8/8 + 8 + 8) \\
&:= ((9 \times 9) - ((9 + 9)/9)) \times ((9 \times (9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12720 &:= (1 + 1) \times ((1 + 11) \times (1 + ((1 + 11 + 11)^{1+1}))) \\
&:= 2 + ((22 \times (((22 + 2)^2) + 2)) + 2) \\
&:= 3 + (((33 + 3) \times 333) + (3^{3+3})) \\
&:= ((4 \times 4) + 44) \times (4^4 - 44) \\
&:= (5 - 5/5) \times (55 + 5^5) \\
&:= 6 + ((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6)) + 6) \\
&:= ((7/7 + 7) + 7) \times (((77 \times 77) + 7/7) + 7) \\
&:= (8 \times (888 + (8 \times 88))) - (8 + 8) \\
&:= (9/9 - (9 \times 9)) \times (((9 + 9 + 9)/9) - (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12721 &:= (111^{1+1}) + (((1+1) \times (11-1))^{1+1}) \\
&:= ((22-2)^2) + ((222/2)^2) \\
&:= 3 + (((33+3) \times 333) + (3^{3+3})) + 3/3 \\
&:= 4 \times 4 + (((44/4)^4) - (44 \times 44)) \\
&:= 5/5 + ((5-5/5) \times (55+5^5)) \\
&:= 6 + (((6 \times ((6 \times ((6 \times (66-6)) - 6)) - 6)) + 6/6) + 6) \\
&:= 7 \times 7 + (((7+7)/7)^7) \times ((7 \times (7+7)) + 7/7) \\
&:= 8/8 + ((8 \times (888 + (8 \times 88))) - (8+8)) \\
&:= ((9/9+9) \times (9999/9 + (9 \times (9+9)))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12722 &:= 1 + ((111^{1+1}) + (((1+1) \times (11-1))^{1+1})) \\
&:= 2 + (((22 \times ((22+2)^2) + 2) + 2) + 2) \\
&:= 3 \times 3 + (((3^3-3)^3) - (3333/3)) \\
&:= ((4+4)/4) + (((4 \times 4) + 44) \times (4^4 - 44)) \\
&:= ((5+5)/5) + ((5-5/5) \times (55+5^5)) \\
&:= 6 + ((66/6) \times (((6 \times 6) - ((6+6)/6))^{(6+6)/6})) \\
&:= 7/7 + (((7+7)/7)^7) \times ((7 \times (7+7)) + 7/7) + (7 \times 7) \\
&:= (8 \times 8 \times 8) + ((88/8) \times ((8888 - 8)/8)) \\
&:= (9 \times (99 + (9 \times 9))) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12723 &:= 1 + (1 + ((111^{1+1}) + (((1+1) \times (11-1))^{1+1}))) \\
&:= 2 + (((222/2)^2) + ((22-2)^2)) \\
&:= 3 + (((33+3) \times 333) + (3^{3+3})) + 3 \\
&:= 4 + (((4 \times 4) + 44) \times (4^4 - 44) - 4/4) \\
&:= 5 + (((5-5/5) \times (55+5^5)) - ((5+5)/5)) \\
&:= 6 + (((666/6)^{(6+6)/6}) + (6 \times 66)) \\
&:= 7 + ((77/7) \times (((77 \times (7+7)) + 7/7) + 77)) \\
&:= 88/8 + ((8 \times (8 \times ((8 \times (8+8+8)) + 8))) - 88) \\
&:= 9 + (((9 \times (9+9)) + 9/9) \times ((9 \times 9) - ((9+9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12724 &:= 11 + (((1+1+11)^{1+1}) + ((1+111)^{1+1})) \\
&:= (2 \times (2+2)) + (22 \times ((22+2)^2) + 2) \\
&:= ((3^3-3)^3) + ((33-3333)/3) \\
&:= 4 + (((4 \times 4) + 44) \times (4^4 - 44)) \\
&:= (5-5/5) \times ((55+5^5) + 5/5) \\
&:= (6 \times (6 \times 6 - 6)) + (((666+6)/6)^{(6+6)/6}) \\
&:= 77 + (((777/7) \times (((7+7)/7)^7) - (7+7)) - 7) \\
&:= (8 \times (888 + (8 \times 88))) - ((88+8)/8) \\
&:= 99 + (((999+9)/9)^{(9+9)/9}) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12725 &:= ((1 + (1 + 111))^{1+1}) - ((1+1) \times (11+11)) \\
&:= (((222/2) + 2)^2) - (2 \times 22) \\
&:= ((3/3-3) + 3^3) \times (((3-3/3)^{3 \times 3}) - 3) \\
&:= 4 + (((4 \times 4) + 44) \times (4^4 - 44) + 4/4) \\
&:= 5 + ((5-5/5) \times (55+5^5)) \\
&:= 6 + ((6 \times ((6 \times ((6 \times (66-6)) - 6)) - 6)) + (66/6)) \\
&:= ((77+7 \times 7) \times (7777/77)) - 7/7 \\
&:= (8 \times (888 + (8 \times 88))) - (88/8) \\
&:= 9 + (((99+9) \times (99+9+9)) - 9/9) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12726 &:= (11 \times (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1}))) - 1 \\
&:= 2 + ((22 \times (((22+2)^2) + 2)) + (2 \times (2+2))) \\
&:= (3+3) \times ((3 \times ((3^{3+3}) - 33)) + 33) \\
&:= 4 + (((4 \times 4) + 44) \times (4^4 - 44) + ((4+4)/4)) \\
&:= 5 + (((5-5/5) \times (55+5^5)) + 5/5) \\
&:= 6 \times (((6 \times 6)/(6+6))^{6/6+6}) - 66 \\
&:= (77+7 \times 7) \times (7777/77) \\
&:= (8/8+8) \times (((88 \times (8+8)) - ((8+8)/8)) + 8) \\
&:= 9 + (((99+9) \times (99+9+9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12727 &:= 11 \times (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1})) \\
&:= 2 + (((222/2) + 2)^2) - (2 \times 22) \\
&:= 3 + (((33-3333)/3) + ((3^3-3)^3)) \\
&:= 444 + ((4^4 \times (44+4)) - (4/4+4)) \\
&:= 5 + (((5-5/5) \times (55+5^5)) + ((5+5)/5)) \\
&:= (6 \times (6 \times ((6 \times (66-6)) - 6))) - ((66/6) + 6) \\
&:= 7 + (((7/7+7) + 7) \times (((77 \times 77) + 7)/7)) \\
&:= (8 \times (888 + (8 \times 88))) - (8/8+8) \\
&:= 9 + (((99+9) \times (99+9+9)) + (9 \times 9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12728 &:= 1 + (11 \times (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1}))) \\
&:= 2 \times (2 \times ((2 \times ((2 \times (22-2)^2) + 2)) - 22)) \\
&:= ((3/3+33) + 3) \times (333 + (33/3)) \\
&:= 444 + ((4^4 \times (44+4)) - 4) \\
&:= (5-5/5) \times (((5+5)/5) + 55) + 5^5 \\
&:= ((6-66)/6) + ((6 \times (6 \times ((6 \times (66-6)) - 6))) - 6) \\
&:= (77 \times (7+7+7)) + (77777/7) \\
&:= (8 \times (888 + (8 \times 88))) - 8 \\
&:= 9 + (((9 \times 9) - ((9+9)/9)) \times ((9 \times (9+9)) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12729 &:= 1 + (1 + (11 \times (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1})))) \\
&:= (2 \times (2-22)) + (((222/2) + 2)^2) \\
&:= ((3^3-3)^3) - (((33 \times 33) + 3) + 3) \\
&:= 4/4 + (((4^4 \times (44+4)) - 4) + 444) \\
&:= 5 + ((5-5/5) \times ((55+5^5) + 5/5)) \\
&:= 6 + (((666/6)^{(6+6)/6}) + (6 \times 66)) + 6 \\
&:= (7 \times ((7 \times (7 \times 7 \times 7 - (77+7))) + 7)) - (77/7) \\
&:= 8/8 + ((8 \times (888 + (8 \times 88))) - 8) \\
&:= 9 + ((9/9 - (9 \times 9)) \times (((9+9+9)/9) - (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12730 &:= 1 + (1 + (1 + (11 \times (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1})))))) \\
&:= 22 + ((2+2+2) \times (((2 \times 22+2)^2) + 2)) \\
&:= ((3^3-3)^3) - (((3^{3 \times 3})/3) + 3)/(3+3) \\
&:= 444 + ((4^4 \times (44+4)) - ((4+4)/4)) \\
&:= 5 + (((5-5/5) \times (55+5^5)) + 5) \\
&:= (6-6/6) \times ((66+6/6) \times (((6+6)/6) + (6 \times 6))) \\
&:= ((7 \times 7) - (77/7)) \times (7 \times 7 \times 7 - (7/7+7)) \\
&:= ((8+8)/8) + ((8 \times (888 + (8 \times 88))) - 8) \\
&:= (9/9+9) \times (9999/9 + (9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12731 &:= (11 \times 1111) + (((1+1)^{11-1-1}) - (1+1)) \\
&:= 2 + (((222/2) + 2)^2) + (2 \times (2 - 22)) \\
&:= ((3^3 - 3)^3) + ((3 - ((3^3 \times 3)/3))/(3+3)) \\
&:= 444 + ((4^4 \times (44+4)) - 4/4) \\
&:= (55/5) + ((5 - 5/5) \times (55 + 5^5)) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) - 6))) - (6/6 + 6 + 6) \\
&:= 77 + (((777/7) \times (((7+7)/7)^7) - (7+7))) \\
&:= 88/8 + ((8 \times (888 + (8 \times 88))) - (8+8)) \\
&:= (9 \times (99 + (9 \times 9))) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12732 &:= (11 \times 1111) + (((1+1)^{11-1-1}) - 1) \\
&:= 2 \times (((2^{2+2}) \times (((22-2)^2) - 2)) - 2) \\
&:= ((3^3 - 3)^3) - ((33 \times 33) + 3) \\
&:= 444 + (4^4 \times (44+4)) \\
&:= (5 - 5/5) \times (((55 - ((5+5)/5)) + 5^5) + 5) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) - 6))) - (6+6) \\
&:= 777 + (((7+7) \times (777+77)) - 7/7) \\
&:= (8 \times (888 + (8 \times 88))) - (8 \times 8/(8+8)) \\
&:= ((99+9)/9) \times (((9 \times (99+9+9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12733 &:= (11 \times 1111) + ((1+1)^{11-1-1}) \\
&:= (((222/2) + 2)^2) - ((2+2+2)^2) \\
&:= 3/3 + (((3^3 - 3)^3) - ((33 \times 33) + 3)) \\
&:= 4/4 + ((4^4 \times (44+4)) + 444) \\
&:= 5 + ((5 - 5/5) \times (((5+5)/5) + 55) + 5^5) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) - 6))) - (66/6) \\
&:= 777 + ((7+7) \times (777+77)) \\
&:= 8 + ((8 \times (888 + (8 \times 88))) - 88/8) \\
&:= ((9-9/9) + 9) \times (((9 \times (9 \times 9)) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12734 &:= 1 + ((11 \times 1111) + ((1+1)^{11-1-1})) \\
&:= (2 \times (((2^{2+2}) \times (((22-2)^2) - 2))) - 2) \\
&:= ((3^3 - 3)^3) - ((33 \times 33) + 3/3) \\
&:= 4^4 + (((4^4 + 4) \times (44+4)) - ((4+4)/4)) \\
&:= 5 + (((5 - 5/5) \times ((55 + 5^5) + 5/5)) + 5) \\
&:= ((6 - 66)/6) + (6 \times (6 \times ((6 \times (66 - 6)) - 6))) \\
&:= 7 + (((7/7 + 7) + 7) \times (((77 \times 77) + 7)/7)) + 7) \\
&:= (8 \times (888 + (8 \times 88))) - ((8+8)/8) \\
&:= 99 + (((99+9) \times (99+9+9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12735 &:= ((1 + (1 + 111))^{1+1}) - (1 + (11 \times (1 + 1 + 1))) \\
&:= 2 + (((222/2) + 2)^2) - ((2+2+2)^2) \\
&:= ((3^3 - 3)^3) - (33 \times 33) \\
&:= 4^4 + (((4^4 + 4) \times (44+4)) - 4/4) \\
&:= ((5 - 5/5) \times ((55 + 5^5) + 5)) - 5 \\
&:= (6 \times 6/(6+6)) \times ((66 \times 66) - (666/6)) \\
&:= (((7/7 + 7) + 7) \times (((77 \times 77) + 7) + 7)/7) \\
&:= (8 \times (888 + (8 \times 88))) - 8/8 \\
&:= 99 + ((99+9) \times (99+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12736 &:= ((1 + (1 + 111))^{1+1}) - (11 \times (1 + 1 + 1)) \\
&:= 2 \times ((2^{2+2}) \times (((22-2)^2) - 2)) \\
&:= 3/3 + (((3^3 - 3)^3) - (33 \times 33)) \\
&:= 4^4 + ((4^4 + 4) \times (44+4)) \\
&:= (5 - 5/5) \times (((55 - 5/5) + 5^5) + 5) \\
&:= (((6+6)/6)^6) \times ((6 \times 6 \times 6) - ((66/6) + 6)) \\
&:= 7 + ((7 \times ((7 \times (7 \times 7 \times 7 - (77+7))) + 7)) - (77/7)) \\
&:= 8 \times (888 + (8 \times 88)) \\
&:= 9/9 + (((99+9) \times (99+9+9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12737 &:= 1 + (((1 + (1 + 111))^{1+1}) - (11 \times (1 + 1 + 1))) \\
&:= (((222/2) + 2)^2) - (2 \times (2^{2+2})) \\
&:= 3 + (((3^3 - 3)^3) - ((33 \times 33) + 3/3)) \\
&:= 4/4 + (((4^4 + 4) \times (44+4)) + 4^4) \\
&:= (((5 \times 5) - ((5+5)/5)) \times (555 - 5/5)) - 5 \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) - 6))) - (6/6 + 6) \\
&:= 7 + (((7 \times 7) - (77/7)) \times (7 \times 7 \times 7 - (7/7 + 7))) \\
&:= 8/8 + (8 \times (888 + (8 \times 88))) \\
&:= 9 + (((9 \times 9) - ((9+9)/9)) \times ((9 \times (9+9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12738 &:= 11 \times (1 + (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1}))) \\
&:= 22 + (22 \times (((22+2)^2) + 2)) \\
&:= 3 + (((3^3 - 3)^3) - (33 \times 33)) \\
&:= 4^4 + (((4^4 + 4) \times (44+4)) + ((4+4)/4)) \\
&:= (5 \times 5^5) + (((5 - (5+5)/5) + 5^5) - (5^5 + 5)) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) - 6))) - 6 \\
&:= 77/7 \times (((7777 - (7+7))/7) + (7 \times 7)) \\
&:= ((8+8)/8) + (8 \times (888 + (8 \times 88))) \\
&:= ((9+9)/9) \times ((9 \times (9 \times 9) - 9) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12739 &:= 1 + (11 \times (1 + (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1})))) \\
&:= 2 + (((222/2) + 2)^2) - (2 \times (2^{2+2})) \\
&:= 3 + (((3^3 - 3)^3) - (33 \times 33)) + 3/3) \\
&:= ((4^4 + 4) \times ((44 + 4/4) + 4)) - 4/4 \\
&:= (5 \times (5^5 - 555)) - (555/5) \\
&:= 6/6 + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) - 6) \\
&:= (7 \times ((7 \times (7 \times 7 \times 7 - (77+7))) + 7)) - 7/7 \\
&:= 88/8 + ((8 \times (888 + (8 \times 88))) - 8) \\
&:= 9 + ((9/9 + 9) \times (9999/9 + (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12740 &:= ((1 + 111)^{1+1}) + ((1 + 1 + 1 + 11)^{1+1}) \\
&:= 2 + ((22 \times (((22+2)^2) + 2)) + 22) \\
&:= 3^3 + (((3^3 - 3)^3) - (3333/3)) \\
&:= (4^4 + 4) \times ((44 + 4/4) + 4) \\
&:= (5 - 5/5) \times ((55 + 5^5) + 5) \\
&:= ((6+6)/6) + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) - 6) \\
&:= 7 \times ((7 \times (7 \times 7 \times 7 - (77+7))) + 7) \\
&:= (8 \times 8/(8+8)) + (8 \times (888 + (8 \times 88))) \\
&:= (99 - 9/9) \times (((999+9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12741 &:= 1 + (((1 + 111)^{1+1}) + ((1 + 1 + 1 + 11)^{1+1})) \\
&:= (((222/2) + 2) + 2)^2 - 22^2 \\
&:= 3 + (((3^3 - 3)^3) - (33 \times 33)) + 3 \\
&:= 4/4 + ((4^4 + 4) \times ((44 + 4/4) + 4)) \\
&:= 5/5 + ((5 - 5/5) \times ((55 + 5^5) + 5)) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) - 6))) - (6 \times 6/(6 + 6)) \\
&:= 7/7 + (7 \times ((7 \times (7 \times 7 \times 7 - (77 + 7))) + 7)) \\
&:= 8 + (((8 \times (888 + (8 \times 88))) - 88/8) + 8) \\
&:= 99 + ((99 - 9/9) \times (((999/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12742 &:= (1 + 11 + 11) \times (((1111 - 1)/(1 + 1)) - 1) \\
&:= (22 + 2/2) \times ((22 + 2)^2 - 22) \\
&:= (((333 - 3)/3) + 3)^{3-3/3} - 3^3 \\
&:= ((4 + 4)/4) + ((4^4 + 4) \times ((44 + 4/4) + 4)) \\
&:= ((5 \times 5) - ((5 + 5)/5)) \times (555 - 5/5) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) - 6))) - ((6 + 6)/6) \\
&:= 7 + (((7/7 + 7) + 7) \times (((77 \times 77) + 7) + 7)/7) \\
&:= 8 + ((8 \times (888 + (8 \times 88))) - ((8 + 8)/8)) \\
&:= 9 + (((9 - 9/9) + 9) \times (((9 \times (9 \times 9)) + (99/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12743 &:= ((1 + (1 + 111))^{1+1}) - ((1 + 1) \times (1 + 1 + 11)) \\
&:= (((222/2) + 2)^2) - (22 + 2 + 2) \\
&:= ((33/3 + 3)^3) + 3 \times 3333 \\
&:= 4 + (((4^4 + 4) \times ((44 + 4/4) + 4)) - 4/4) \\
&:= (5 \times 5^5) + (((5 - (5 + 5)/5)^5) - 5^5) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) - 6))) - 6/6 \\
&:= ((7 - 7/7) \times (((7 + 7)/7)^{77/7} + 77)) - 7 \\
&:= 8 + ((8 \times (888 + (8 \times 88))) - 8/8) \\
&:= (((9 + 9/9)^9) + (9 \times ((9 \times (9 \times (9 + 9))) - 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12744 &:= ((1 + 111)^{1+1}) + ((1 + 1) \times ((11 - 1)^{1+1})) \\
&:= (22 + 2) \times (((22 + 2/2)^2) + 2) \\
&:= (3 \times 3 + 3) \times ((3^{3+3}) + 333) \\
&:= 4 + ((4^4 + 4) \times ((44 + 4/4) + 4)) \\
&:= (5 - 5/5) \times (((55 + 5^5) + 5/5) + 5) \\
&:= 6 \times (6 \times ((6 \times (66 - 6)) - 6)) \\
&:= ((77 + 7)/7) \times (((7777/7) - (7 \times 7)) \\
&:= 8 + (8 \times (888 + (8 \times 88))) \\
&:= (99 + 9) \times (((9/9 + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12745 &:= ((1 + (1 + 111))^{1+1}) - ((1 + 1) \times (1 + 11)) \\
&:= (((222/2) + 2)^2) - (22 + 2) \\
&:= 3/3 + ((3 \times 3 + 3) \times ((3^{3+3}) + 333)) \\
&:= 4 + (((4^4 + 4) \times ((44 + 4/4) + 4)) + 4/4) \\
&:= 5 + ((5 - 5/5) \times ((55 + 5^5) + 5)) \\
&:= 6/6 + (6 \times (6 \times ((6 \times (66 - 6)) - 6))) \\
&:= 7 + ((77/7) \times (((7777 - (7 + 7))/7) + (7 \times 7))) \\
&:= 8 + ((8 \times (888 + (8 \times 88))) + 8/8) \\
&:= 9/9 + ((99 + 9) \times (((9/9 + 99) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12746 &:= ((1 + (1 + 111))^{1+1}) - (1 + 11 + 11) \\
&:= 2 + ((22 + 2) \times (((22 + 2/2)^2) + 2)) \\
&:= 3 + (((33/3 + 3)^3) + (3 \times 3333)) \\
&:= ((4^4 - 4/4) \times (((4 + 4)/4) + 44) + 4) - 4 \\
&:= 5 + (((5 - 5/5) \times ((55 + 5^5) + 5)) + 5/5) \\
&:= ((6 + 6)/6) + (6 \times (6 \times ((6 \times (66 - 6)) - 6))) \\
&:= 7 + ((7 \times ((7 \times (7 \times 7 \times 7 - (77 + 7))) + 7)) - 7/7) \\
&:= 8 + ((8 \times (888 + (8 \times 88))) + ((8 + 8)/8)) \\
&:= 99 + (((99 + 9) \times (99 + 9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12747 &:= ((1 + (1 + 111))^{1+1}) - (11 + 11) \\
&:= (((222/2) + 2)^2) - 22 \\
&:= 3 + ((3 \times 3 + 3) \times ((3^{3+3}) + 333)) \\
&:= 4^4 + (((4^4 + 4) \times (44 + 4)) + 44/4) \\
&:= 5 + (((5 \times 5) - ((5 + 5)/5)) \times (555 - 5/5)) \\
&:= (6 \times 6/(6 + 6)) + (6 \times (6 \times ((6 \times (66 - 6)) - 6))) \\
&:= 7 + (7 \times ((7 \times (7 \times 7 \times 7 - (77 + 7))) + 7)) \\
&:= 88/8 + (8 \times (888 + (8 \times 88))) \\
&:= (999/9) + ((99 + 9) \times (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12748 &:= 1 + (((1 + (1 + 111))^{1+1}) - (11 + 11)) \\
&:= 2/2 + (((222/2) + 2)^2) - 22 \\
&:= 3 + (((3 \times 3 + 3) \times ((3^{3+3}) + 333)) + 3/3) \\
&:= 4 + (((4^4 + 4) \times ((44 + 4/4) + 4)) + 4) \\
&:= 5 + (((5 - (5 + 5)/5)^5) - 5^5) + (5 \times 5^5) \\
&:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) - ((6 + 6)/6)) \\
&:= 7 + ((7 \times ((7 \times (7 \times 7 \times 7 - (77 + 7))) + 7)) + 7/7) \\
&:= ((88 + 8)/8) + (8 \times (888 + (8 \times 88))) \\
&:= (9 \times ((9 \times 9) - 9)) + (((99/9) + 99)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12749 &:= ((1 + (1 + 111))^{1+1}) - ((1 + 1) \times (11 - 1)) \\
&:= 2 + (((222/2) + 2)^2) - 22 \\
&:= (33/3) \times (((3/3 + 33)^{3-3/3}) + 3) \\
&:= 44 + (((44/4)^4) - (44 \times 44)) \\
&:= (5 \times ((5 \times (5 + 5)) + 5^5)) - (5^5 + 5/5) \\
&:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) - 6/6) \\
&:= 77 + (((7 + 7)/7)^7) \times ((7 \times (7 + 7)) + 7/7) \\
&:= (88/8) \times (((8 + 8) \times ((8 \times 8) + 8)) - 8/8) + 8 \\
&:= 9 + (((9 + 9/9)^{99/9}) + (99 \times (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12750 &:= 1 + (((1 + (1 + 111))^{1+1}) - ((1 + 1) \times (11 - 1))) \\
&:= 2 + (((222/2) + 2)^2) - 22 + 2/2 \\
&:= (3 \times 33 + 3) \times (((3 - 3/3) + 3)^3) \\
&:= (4^4 - 4/4) \times (((4 + 4)/4) + 44) + 4 \\
&:= 5 \times ((5 + 5) \times ((5 \times 5 \times (5 + 5)) + 5)) \\
&:= 6 + (6 \times (6 \times ((6 \times (66 - 6)) - 6))) \\
&:= (7 - 7/7) \times (((7 + 7)/7)^{77/7} + 77) \\
&:= ((8/8 + 8 + 8) + 8) \times ((8 \times 8 \times 8) - ((8 + 8)/8)) \\
&:= ((9 - 9/9) + 9) \times (((99 + 9)/9) + (9 \times (9 \times 9))) + 9
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12751 &:= ((1 + (1 + 111))^{1+1}) - ((1 + 1) \times (11 - 1 - 1)) \\
 &:= 2 + (((((222/2) + 2)^2) - 22) + 2) \\
 &:= 3/3 + ((3 \times 33 + 3) \times ((3 - 3/3) + 3)^3) \\
 &:= 4^4 + ((4^4 - 4/4) \times ((44 + 4/4) + 4)) \\
 &:= 5/5 + (5 \times ((5 + 5) \times ((5 \times 5 \times (5 + 5)) + 5))) \\
 &:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) + 6/6) \\
 &:= 7 + (((77 + 7)/7) \times ((7777/7) - (7 \times 7))) \\
 &:= 8 + (((8 \times (888 + (8 \times 88))) - 8/8) + 8) \\
 &:= (((999 + 9) + 9)/9)^{(9+9)/9} - (9 + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12756 &:= ((1 + (1 + 111))^{1+1}) - (1 + 1 + 11) \\
 &:= 2 \times (((2 \times (2 \times (22 - 2)))^2) - 22) \\
 &:= 3 + (((33 + 3) + 3) \times (333 - (3 + 3))) \\
 &:= 4^4 + (4 \times ((4/4 + 4)^{4/4+4})) \\
 &:= 5 + ((5 \times ((5 + 5) \times ((5 \times 5 \times (5 + 5)) + 5))) + 5/5) \\
 &:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) + 6) \\
 &:= 7 + (((((7 + 7)/7)^7) \times ((7 \times (7 + 7)) + 7/7)) + 77) \\
 &:= 8 + ((8 \times (888 + (8 \times 88))) + ((88 + 8)/8)) \\
 &:= 9 + (((99 + 9) \times (99 + 9 + 9)) + (999/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12752 &:= 1 + (((1 + (1 + 111))^{1+1}) - ((1 + 1) \times (11 - 1 - 1))) \\
 &:= 2 \times (((2 \times (2 \times (22 - 2)))^2) - (22 + 2)) \\
 &:= ((33/3 + 3)^3) + (3 \times (3333 + 3)) \\
 &:= 4 \times ((4 \times ((4 + 4) \times 44) + 444) + 4) \\
 &:= ((5 + 5)/5) + (5 \times ((5 + 5) \times ((5 \times 5 \times (5 + 5)) + 5))) \\
 &:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) + ((6 + 6)/6)) \\
 &:= 77 + (((7/7 + 7) + 7) \times (((77 \times 77) - (7 + 7))/7)) \\
 &:= 8 + ((8 \times (888 + (8 \times 88))) + 8) \\
 &:= ((99 + 9 + 9) \times ((9/9 + 99) + 9)) - 9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12757 &:= ((1 + (1 + 111))^{1+1}) - 11 - 1 \\
 &:= (((222/2) + 2)^2) - (2 \times (2 + 2 + 2)) \\
 &:= 3 + (((33 + 3) + 3) \times (333 - (3 + 3))) + 3/3 \\
 &:= 4/4 + ((4 \times ((4/4 + 4)^{4/4+4})) + 4^4) \\
 &:= 5 + ((5 \times ((5 + 5) \times ((5 \times 5 \times (5 + 5)) + 5))) + ((5 + 5)/5)) \\
 &:= 6 + (((6 \times (6 \times ((6 \times (66 - 6)) - 6))) + 6/6) + 6) \\
 &:= 7 + ((7 - 7/7) \times (((7 + 7)/7)^{7/7} + 77)) \\
 &:= 8 + ((88/8) \times (((8 + 8) \times ((8 \times 8) + 8)) - 8/8) + 8) \\
 &:= (9 \times (9 \times (9 \times (9 + 9)))) - (((9 \times (9 \times (9 \times 9))) + 9)/(9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12753 &:= (11 - 1 - 1) \times ((1 + 1 + 11) \times (111 - (1 + 1))) \\
 &:= (((222/2) + 2)^2) - (2^{2+2}) \\
 &:= ((33 + 3) + 3) \times (333 - (3 + 3)) \\
 &:= 4 + (((44/4)^4) - (44 \times 44)) + 44 \\
 &:= 5 + (((((5 - (5 + 5)/5)^5) - 5^5) + (5 \times 5^5)) + 5) \\
 &:= (6 \times (66 + 6)) + ((666/6)^{(6+6)/6}) \\
 &:= ((7 - 7/7) + 7) \times (((7 + 7) \times (77 - 7)) + 7/7) \\
 &:= (8/8 + 8) \times (((88 \times (8 + 8)) + 8/8) + 8) \\
 &:= (99 + 9 + 9) \times ((9/9 + 99) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12758 &:= ((1 + (1 + 111))^{1+1}) - 11 \\
 &:= (((222/2) + 2)^2) - (22/2) \\
 &:= (3 \times (33 \times (3 + 3))) + (((3^3 - (3/3 + 3))^3) - 3) \\
 &:= 4 + (((4^4 - 4/4) \times (((4 + 4)/4) + 44) + 4) + 4) \\
 &:= (5 \times 5^5) + (((5^5 + 5)/5 + 5) - (55 + 5^5)) \\
 &:= 6 + (((6 \times (6 \times ((6 \times (66 - 6)) - 6))) + ((6 + 6)/6)) + 6) \\
 &:= (((7 + 7)/7)^{7+7} + (7 \times ((7 - (7 \times 77)) + 7) + 7)) \\
 &:= 8 + (((8/8 + 8 + 8) + 8) \times ((8 \times 8 \times 8) - ((8 + 8)/8))) \\
 &:= (9 \times (9 \times (9 \times (9 + 9)))) + ((9 - (9 \times (9 \times (9 \times 9))))/(9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12754 &:= (111 \times (1 + (1 + (1 + (1 + 111)))) - 11) \\
 &:= (2 \times (((2 \times (2 \times (22 - 2)))^2) - 22)) - 2 \\
 &:= 3/3 + (((33 + 3) + 3) \times (333 - (3 + 3))) \\
 &:= 4 + ((4^4 - 4/4) \times (((4 + 4)/4) + 44) + 4) \\
 &:= 5 + ((5 \times ((5 \times (5 + 5)) + 5^5)) - (5^5 + 5/5)) \\
 &:= ((66 - 6)/6) + (6 \times (6 \times ((6 \times (66 - 6)) - 6))) \\
 &:= 7 + ((7 \times ((7 \times (7 \times 7 \times 7 - (77 + 7))) + 7)) + 7) \\
 &:= 8 + (((8 \times (888 + (8 \times 88))) + (8 + 8)/8) + 8) \\
 &:= 9/9 + ((99 + 9 + 9) \times ((9/9 + 99) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12759 &:= 1 + (((1 + (1 + 111))^{1+1}) - 11) \\
 &:= ((2 - 22)/2) + (((222/2) + 2)^2) \\
 &:= 3 + (((33 + 3) + 3) \times (333 - (3 + 3))) + 3 \\
 &:= ((44 - 4) \times (((4^4 - 4)/4) + 4^4)) - 4/4 \\
 &:= (5 \times 55) + ((5 - 5/5) \times ((5/5 - 5) + 5^5)) \\
 &:= 6 + (((666/6)^{(6+6)/6}) + (6 \times (66 + 6))) \\
 &:= (7 \times 7 \times 7) + (((7 + 7)/7)^7) \times ((7 \times (7 + 7)) - 7/7) \\
 &:= 88 + ((88 \times ((8 \times (8 + 8) + 8) + 8)) - 8/8) \\
 &:= 999 + ((99 - 9/9) \times ((999/9) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12755 &:= ((1 + (1 + 111))^{1+1}) - (1 + 1 + 1 + 11) \\
 &:= 2 + (((222/2) + 2)^2) - (2^{2+2}) \\
 &:= 3 + ((3 \times (3333 + 3)) + ((33/3 + 3)^3)) \\
 &:= 4^4 + ((4 \times ((4/4 + 4)^{4/4+4})) - 4/4) \\
 &:= 5 + (5 \times ((5 + 5) \times ((5 \times 5 \times (5 + 5)) + 5))) \\
 &:= (66/6) + (6 \times (6 \times ((6 \times (66 - 6)) - 6))) \\
 &:= (((777 + 7) + 7)/7)^{(7+7)/7} - (7 + 7) \\
 &:= 8 + ((8 \times (888 + (8 \times 88))) + (88/8)) \\
 &:= ((9 + 9)/9) + ((99 + 9 + 9) \times ((9/9 + 99) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12760 &:= 1 + (1 + (((1 + (1 + 111))^{1+1}) - 11)) \\
 &:= 22 \times (((22 + 2)^2) + 2) + 2 \\
 &:= ((3 + 3)^3) + (((333 + 3)/3)^{3-3/3}) \\
 &:= (44 - 4) \times (((4^4 - 4)/4) + 4^4) \\
 &:= (5 - 5/5) \times (((55 + 5^5) + 5) + 5) \\
 &:= 6 \times 6 \times 6 + (((666 + 6)/6)^{(6+6)/6}) \\
 &:= 77/7 \times ((7777/7) + (7 \times 7)) \\
 &:= 88 + (88 \times ((8 \times (8 + 8) + 8) + 8)) \\
 &:= (((999 + 9) + 9)/9)^{(9+9)/9} - 9
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12761 &:= 1 + (1 + (1 + ((1 + (1 + 111))^{1+1}) - 11)) \\
&:= (((222/2) + 2)^2) - (2 \times (2 + 2)) \\
&:= (3 \times (33 \times (3 + 3))) + ((3^3 - (3/3 + 3))^3) \\
&:= ((444/4) \times ((444/4) + 4)) - 4 \\
&:= 5/5 + ((5 - 5/5) \times (((55 + 5^5) + 5) + 5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) + (66/6)) \\
&:= (((7 \times 7) - 7/7) \times (7 \times 7 \times 7 - 77)) - 7 \\
&:= (((888 + 8) + 8)/8)^{(8+8)/8} - 8 \\
&:= (99 \times ((999/9) + 9) + 9) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12762 &:= (111^{1+1}) + ((11 + (11 - 1))^{1+1}) \\
&:= 2 + (22 \times (((22 + 2)^2) + 2) + 2) \\
&:= 3 \times ((33 \times ((3 \times 33) + 3^3) + 3) - 3) \\
&:= 4/4 + (((444/4) \times ((444/4) + 4)) - 4) \\
&:= (5 \times 55) + (((5 - 5/5) \times (5^5 - ((5 + 5)/5))) - 5) \\
&:= 6 + (((6 \times (6 \times ((6 \times (66 - 6)) - 6))) + 6) + 6) \\
&:= (((777 + 7) + 7)/7)^{(7+7)/7} - 7 \\
&:= (8/8 + 8) \times (((88 \times (8 + 8)) + ((8 + 8)/8)) + 8) \\
&:= (9 + 9) \times ((9 \times (9 \times 9)) - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12763 &:= ((1 + (1 + 111))^{1+1}) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= (((222/2) + 2)^2) - (2 + 2 + 2) \\
&:= (((333 - 3)/3) + 3)^{3-3/3} - (3 + 3) \\
&:= 4 + (((44 - 4) \times (((4^4 - 4)/4) + 4^4)) - 4/4) \\
&:= ((5 - (5 + 5)/5)^5) + ((5 - 5/5) \times (5^5 + 5)) \\
&:= (((666 + 6) + 6)/6)^{(6+6)/6} - 6 \\
&:= 7/7 + (((777 + 7) + 7)/7)^{(7+7)/7} - 7 \\
&:= ((8/8 + 8) \times ((88 \times (8 + 8)) + (88/8))) - 8 \\
&:= 9/9 + ((9 + 9) \times ((9 \times (9 \times 9)) - (99/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12764 &:= (111 \times (1 + (1 + (1 + (1 + 111)))) - 1) \\
&:= 2 + (22 \times (((22 + 2)^2) + 2) + 2) + 2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + (3 \times (33 \times (3 + 3)))) \\
&:= 4 + ((44 - 4) \times (((4^4 - 4)/4) + 4^4)) \\
&:= (5 - 5/5) \times (((55/5) + 55) + 5^5) \\
&:= 6/6 + (((666 + 6) + 6)/6)^{(6+6)/6} - 6) \\
&:= ((77/7) \times (((777 + 7)/7) + (7 \times 7))) - 7) \\
&:= 8888 + (((88 \times 88) + 8)/(8 + 8)/8) \\
&:= ((9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - (99/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12765 &:= 111 \times (1 + (1 + (1 + (1 + 111)))) \\
&:= (((222/2) + 2)^2) - (2 + 2) \\
&:= (333/3) \times (((333 + 3)/3) + 3) \\
&:= (444/4) \times ((444/4) + 4) \\
&:= 555 \times ((5 \times 5) - ((5 + 5)/5)) \\
&:= (666/6) \times (((6 \times (6 + 6 + 6)) + 6/6) + 6) \\
&:= (777/7) \times ((77 - (77/7)) + (7 \times 7)) \\
&:= (888/8) \times (((88/8) + 88) + 8) + 8) \\
&:= (999/9) \times (((99 - ((9 + 9)/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12766 &:= ((1 + (1 + 111))^{1+1}) - (1 + 1 + 1) \\
&:= 222 + (((222 + 2)/2)^2) \\
&:= (((333 - 3)/3) + 3)^{3-3/3} - 3 \\
&:= 4/4 + ((444/4) \times ((444/4) + 4)) \\
&:= 5/5 + (555 \times ((5 \times 5) - ((5 + 5)/5))) \\
&:= 666 + (((666 - 6)/6)^{(6+6)/6}) \\
&:= ((7 + 7)/7) \times (((77 + 7) \times (77 - 7/7)) - 7/7) \\
&:= 8 + (((8/8 + 8 + 8) + 8) \times ((8 \times 8 \times 8) - ((8 + 8)/8))) + 8) \\
&:= 9999/9 + ((9 \times (9 + 9) \times ((9 \times 9) - 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12767 &:= ((1 + (1 + 111))^{1+1}) - (1 + 1) \\
&:= (((222/2) + 2)^2) - 2 \\
&:= ((333 + 3) \times ((33/3) + 3^3)) - 3/3 \\
&:= (44 \times ((4^4 - 4) + 44)) - (4/4 + 4^4) \\
&:= (5 \times 55) + ((5 - 5/5) \times (5^5 - ((5 + 5)/5))) \\
&:= ((666 + 6) \times ((6/6 + 6 + 6) + 6)) - 6/6 \\
&:= 7 + ((77/7) \times ((7777/7) + (7 \times 7))) \\
&:= (((8/8 + 8 + 8) + 8) \times ((8 \times 8 \times 8) - 8/8)) - 8 \\
&:= ((9 - 9/9) + 9) \times (((99 + 99)/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12768 &:= ((1 + (1 + 111))^{1+1}) - 1 \\
&:= (((222/2) + 2)^2) - 2/2 \\
&:= (333 + 3) \times ((33/3) + 3^3) \\
&:= (4 + 4) \times ((4 \times (444 - 44)) - 4) \\
&:= (5 - 5/5) \times (((55 + 5)/5) + 5^5) + 55) \\
&:= (666 + 6) \times ((6/6 + 6 + 6) + 6) \\
&:= ((7 \times 7) - 7/7) \times (7 \times 7 \times 7 - 77) \\
&:= 8 + ((88 \times ((8 \times (8 + 8) + 8) + 8)) + 88) \\
&:= (((999 + 9) + 9)/9)^{(9+9)/9} - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12769 &:= (1 + (1 + 111))^{1+1} \\
&:= ((222/2) + 2)^2 \\
&:= (((333 - 3)/3) + 3)^{3-3/3} \\
&:= (((444 + 4) + 4)/4)^{(4+4)/4} \\
&:= (((555 + 5) + 5)/5)^{(5+5)/5} \\
&:= (((666 + 6) + 6)/6)^{(6+6)/6} \\
&:= (((777 + 7) + 7)/7)^{(7+7)/7} \\
&:= (((888 + 8) + 8)/8)^{(8+8)/8} \\
&:= (((999 + 9) + 9)/9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12770 &:= 1 + ((1 + (1 + 111))^{1+1}) \\
&:= 2/2 + (((222/2) + 2)^2) \\
&:= 3/3 + (((333 - 3)/3) + 3)^{3-3/3} \\
&:= 4/4 + (((444 + 4) + 4)/4)^{(4+4)/4} \\
&:= (5 \times (55 + 5^5)) - (5^5 + 5) \\
&:= 6/6 + (((666 + 6) + 6)/6)^{(6+6)/6} \\
&:= 7/7 + (((777 + 7) + 7)/7)^{(7+7)/7} \\
&:= 8/8 + (((888 + 8) + 8)/8)^{(8+8)/8} \\
&:= (99 \times (((999/9) + 9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 12771 &:= 1 + (1 + ((1 + (1 + 111))^{1+1})) \\ &:= 2 + (((222/2) + 2)^2) \\ &:= 3 \times (33 \times ((3 \times 33) + 3^3) + 3) \\ &:= (44 - 4/4) \times (((4^4 - 4) + 44) + 4/4) \\ &:= 5/5 + ((5 \times (55 + 5^5)) - (5^5 + 5)) \\ &:= 6 + ((666/6) \times (((6 \times (6 + 6 + 6)) + 6/6) + 6)) \\ &:= 77/7 \times (((7777 + 7)/7) + (7 \times 7)) \\ &:= (8/8 + 8) \times ((88 \times (8 + 8)) + (88/8)) \\ &:= 99 \times (((999/9) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12772 &:= 1 + (1 + (1 + ((1 + (1 + 111))^{1+1}))) \\ &:= 2 + (((222/2) + 2)^2) + 2/2 \\ &:= 3 + (((333 - 3)/3) + 3)^{3-3/3} \\ &:= 4 + ((4 + 4) \times ((4 \times (444 - 44)) - 4)) \\ &:= ((5 + 5)/5) + ((5 \times (55 + 5^5)) - (5^5 + 5)) \\ &:= 6 + (((666 - 6)/6)^{(6+6)/6} + 666) \\ &:= 7 + ((777/7) \times ((77 - (77/7)) + (7 \times 7))) \\ &:= 8/8 + ((8/8 + 8) \times ((88 \times (8 + 8)) + (88/8))) \\ &:= 9/9 + (99 \times (((999/9) + 9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12773 &:= 1 + (1 + (1 + (1 + ((1 + (1 + 111))^{1+1})))) \\ &:= 2 + (((222/2) + 2)^2) + 2 \\ &:= 3 + (((333 - 3)/3) + 3)^{3-3/3} + 3/3 \\ &:= 4 + (((444 + 4) + 4)/4)^{(4+4)/4} \\ &:= (5 \times (55 + 5^5)) - (((5 + 5)/5) + 5^5) \\ &:= (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) - (6/6 + 6) \\ &:= (((7 + 7)/7)^7) \times ((777/7) - 7) - (7 \times 77) \\ &:= 8 + ((888/8) \times (((88/8) + 88) + 8) + 8) \\ &:= ((9 + 9)/9) + (99 \times (((999/9) + 9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12774 &:= 1 + (1 + (1 + (1 + (1 + ((1 + (1 + 111))^{1+1})))))) \\ &:= 2 + (((222/2) + 2)^2) + 2/2 + 2 \\ &:= 3 + (3 \times (33 \times ((3 \times 33) + 3^3) + 3)) \\ &:= 4 + (((444 + 4) + 4)/4)^{(4+4)/4} + 4/4 \\ &:= (5 \times (55 + 5^5)) - (5^5 + 5/5) \\ &:= (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) - 6 \\ &:= 7 + (((77/7) \times ((7777/7) + (7 \times 7))) + 7) \\ &:= (((8/8 + 8 + 8) + 8) \times ((8 \times 8 \times 8) - 8/8)) - 8/8 \\ &:= 9 + ((999/9) \times (((99 - ((9 + 9)/9)) + 9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12775 &:= 1111 + ((111 - (1 + 1 + 1))^{1+1}) \\ &:= 2 + (((222/2) + 2)^2) + 2 + 2 \\ &:= 3 + (((333 - 3)/3) + 3)^{3-3/3} + 3 \\ &:= (4/4 + 4) \times (((4^4 \times (44 - 4)) - 4)/4 - 4) \\ &:= (5 \times (55 + 5^5)) - 5^5 \\ &:= 6 + (((666 + 6) + 6)/6)^{(6+6)/6} \\ &:= 7 + (((7 \times 7) - 7/7) \times (7 \times 7 \times 7 - 77)) \\ &:= ((8/8 + 8 + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) \\ &:= 9999/9 + (9 \times ((9 + 9) \times ((9 \times 9) - 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12776 &:= 11 + (111 \times (1 + (1 + (1 + (1 + 111)))))) \\ &:= 2 \times (2 \times ((2 \times ((2 \times (22 - 2))^2) - 2)) - 2) \\ &:= ((3^3 + 33) \times (((3 + 3)^3) - 3)) - (3/3 + 3) \\ &:= 44 + ((4^4 \times (44 + 4)) + 444) \\ &:= 5/5 + ((5 \times (55 + 5^5)) - 5^5) \\ &:= 6 + (((666 + 6) + 6)/6)^{(6+6)/6} + 6/6 \\ &:= 7 + (((777 + 7) + 7)/7)^{(7+7)/7} \\ &:= (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - (8 + 8 + 8) \\ &:= ((9 + 9)/9) \times ((9 \times ((9 \times 9 \times 9) - (9 + 9))) - (99/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12777 &:= 11 + (((1 + (1 + 111))^{1+1}) - (1 + 1 + 1)) \\ &:= (2 \times (2 + 2)) + (((222/2) + 2)^2) \\ &:= ((3^3 + 33) \times (((3 + 3)^3) - 3)) - 3 \\ &:= 4 + (((444 + 4) + 4)/4)^{(4+4)/4} + 4 \\ &:= ((5 + 5)/5) + ((5 \times (55 + 5^5)) - 5^5) \\ &:= (66 \times 6/(6 + 6)) + (6 \times (6 \times ((6 \times (66 - 6)) - 6))) \\ &:= 7 + (((777 + 7) + 7)/7)^{(7+7)/7} + 7/7 \\ &:= 8 + (((888 + 8) + 8)/8)^{(8+8)/8} \\ &:= 9 + (((999 + 9) + 9)/9)^{(9+9)/9} - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12778 &:= 11 + (((1 + (1 + 111))^{1+1}) - (1 + 1)) \\ &:= (2 \times ((2 \times (2 \times (22 - 2)))^2)) - 22 \\ &:= 3 \times 3 + (((333 - 3)/3) + 3)^{3-3/3} \\ &:= ((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - (4 \times 44)) + 4 \\ &:= 5 + ((5 \times (55 + 5^5)) - (((5 + 5)/5) + 5^5)) \\ &:= (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) - ((6 + 6)/6) \\ &:= 7 + ((77/7) \times ((7777 + 7)/7) + (7 \times 7)) \\ &:= 8 + (((888 + 8) + 8)/8)^{(8+8)/8} + 8/8 \\ &:= 9 + (((999 + 9) + 9)/9)^{(9+9)/9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12779 &:= 11 + (((1 + (1 + 111))^{1+1}) - 1) \\ &:= 2 + (((222/2) + 2)^2) + (2 \times (2 + 2)) \\ &:= ((3^3 + 33) \times (((3 + 3)^3) - 3)) - 3/3 \\ &:= 4 + ((4/4 + 4) \times (((4^4 \times (44 - 4)) - 4)/4 - 4)) \\ &:= 5 + ((5 \times (55 + 5^5)) - (5^5 + 5/5)) \\ &:= (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) - 6/6 \\ &:= ((7 - 7/7) \times (((7 + 7 + 7)/7)^7)) - (7 \times 7 \times 7) \\ &:= 8 + ((8/8 + 8) \times ((88 \times (8 + 8)) + (88/8))) \\ &:= 9 + ((99 \times ((999/9) + 9) + 9) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12780 &:= 11 + ((1 + (1 + 111))^{1+1}) \\ &:= (22/2) + (((222/2) + 2)^2) \\ &:= (3^3 + 33) \times (((3 + 3)^3) - 3) \\ &:= 44 + (((4^4 + 4) \times (44 + 4)) + 4^4) \\ &:= 5 + ((5 \times (55 + 5^5)) - 5^5) \\ &:= 6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6) \\ &:= (77/7) + (((777 + 7) + 7)/7)^{(7+7)/7} \\ &:= (8/8 + 8) \times (((88 + 8)/8) + (88 \times (8 + 8))) \\ &:= 9 + (99 \times (((999/9) + 9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12781 &:= 1 + (11 + ((1 + (1 + 111))^{1+1})) \\ &:= (2 \times (2 + 2 + 2)) + (((222/2) + 2)^2) \\ &:= 3/3 + ((3^3 + 33) \times (((3 + 3)^3) - 3)) \\ &:= 4 \times 4 + ((444/4) \times ((444/4) + 4)) \\ &:= 5 + (((5 \times (55 + 5^5)) - 5^5) + 5/5) \\ &:= 6/6 + (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) \\ &:= ((77 + 77) \times ((77 - 7/7) + 7)) - 7/7 \\ &:= (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - ((88/8) + 8) \\ &:= 9 + (99 \times (((999/9) + 9) + 9)) + 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12782 &:= 1 + (1 + (11 + ((1 + (1 + 111))^{1+1}))) \\ &:= 2 + (((222/2) + 2)^2) + (22/2) \\ &:= 3 + (((3^3 + 33) \times (((3 + 3)^3) - 3)) - 3/3) \\ &:= (44/((4 + 4)/4)) \times (((4/4 + 4)^4) - 44) \\ &:= 5 + (((5 \times (55 + 5^5)) - 5^5) + ((5 + 5)/5)) \\ &:= ((6 + 6)/6) + (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) \\ &:= (77 + 77) \times ((77 - 7/7) + 7) \\ &:= ((8 + 8)/8) \times ((8 \times (888 - 88)) - (8/8 + 8)) \\ &:= (99/9) + (99 \times (((999/9) + 9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12783 &:= 1 + (1 + (1 + (11 + ((1 + (1 + 111))^{1+1})))) \\ &:= (2^{2+2}) + (((222/2) + 2)^2) - 2 \\ &:= 3 + ((3^3 + 33) \times (((3 + 3)^3) - 3)) \\ &:= 444/4 + (44 \times ((4 \times (4 + 4)) + 4^4)) \\ &:= (5 \times 55) + ((5 - 5/5) \times (((5 + 5)/5) + 5^5)) \\ &:= 66 + (((666/6)^{(6+6)/6}) + (6 \times 66)) \\ &:= 7 + (((((777 + 7) + 7)/7)^{(7+7)/7}) + 7) \\ &:= 8 + (((8/8 + 8 + 8) + 8) \times ((8 \times 8 \times 8) - 8/8)) \\ &:= ((99 + 9)/9) + (99 \times (((999/9) + 9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12784 &:= 1 + (1 + (1 + (1 + (11 + ((1 + (1 + 111))^{1+1})))))) \\ &:= 2 \times (2 \times (2 \times ((2 \times (22 - 2))^2) - 2)) \\ &:= 3 + (((3^3 + 33) \times (((3 + 3)^3) - 3)) + 3/3) \\ &:= 4 \times ((4 \times ((4 \times 4 + 4) \times (44 - 4))) - 4) \\ &:= 5 + (((5 \times (55 + 5^5)) - (5^5 + 5/5)) + 5) \\ &:= 6 + ((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) - ((6 + 6)/6)) \\ &:= ((7 + 7)/7) + ((77 + 77) \times ((77 - 7/7) + 7)) \\ &:= (8 + 8) \times (888 - (8/8 + 88)) \\ &:= 9 + (9 \times ((9 + 9) \times ((9 \times 9) - 9))) + 9999/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12785 &:= ((1 + 1) \times (11^{1+1})) + (((1 + 111)^{1+1}) - 1) \\ &:= (2^{2+2}) + (((222/2) + 2)^2) \\ &:= 3 + (((3^3 + 33) \times (((3 + 3)^3) - 3)) - 3/3) + 3 \\ &:= 4 \times 4 + (((444 + 4) + 4)/4)^{(4+4)/4} \\ &:= 5 + (((5 \times (55 + 5^5)) - 5^5) + 5) \\ &:= 6 + ((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) - 6/6) \\ &:= 7 + (((77/7) \times (((7777 + 7)/7) + (7 \times 7))) + 7) \\ &:= 8 + (((((888 + 8) + 8)/8)^{(8+8)/8}) + 8) \\ &:= (9 \times ((9 \times (9 \times (9 + 9))) - 9)) - (((9 + 9)/9)^{9-9/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12786 &:= ((1 + 1) \times (11^{1+1})) + ((1 + 111)^{1+1}) \\ &:= 2 + (2 \times (2 \times (2 \times (((2 \times (22 - 2))^2) - 2)))) \\ &:= 3 + (((3^3 + 33) \times (((3 + 3)^3) - 3)) + 3) \\ &:= 4 + ((44/((4 + 4)/4)) \times (((4/4 + 4)^4) - 44)) \\ &:= (55/5) + ((5 \times (55 + 5^5)) - 5^5) \\ &:= 6 + (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) \\ &:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) - (7 \times 7 + 7) \\ &:= ((8 + 8)/8) + ((8 + 8) \times (888 - (8/8 + 88))) \\ &:= ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - ((99 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12787 &:= 1 + (((1 + 1) \times (11^{1+1})) + ((1 + 111)^{1+1})) \\ &:= 2 + (((222/2) + 2)^2) + (2^{2+2}) \\ &:= ((3 - 3/3) \times (((3^{3 \times 3}) - 3)/3)) - 333 \\ &:= 4 + ((44 \times ((4 \times (4 + 4)) + 4^4)) + (444/4)) \\ &:= (5 \times (5^5 - 5)) + (((5^5 - 5)/(5 + 5)) - 5^5) \\ &:= 6 + ((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) + 6/6) \\ &:= ((7 + 7 + 7) \times (((7 \times 77) - 7) + 77)) - ((7 + 7)/7) \\ &:= 8 + (((8/8 + 8) \times ((88 \times (8 + 8)) + (88/8))) + 8) \\ &:= ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - (99/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12788 &:= (1 + 11 + 11) \times ((1 + 1111)/(1 + 1)) \\ &:= 2 \times ((2 \times (2 \times ((2 \times (22 - 2))^2) - 2))) + 2 \\ &:= 3^{3 \times 3} - (((3^{3 \times 3}) + 3)/3) + 333 \\ &:= 4 + (4 \times ((4 \times ((4 \times 4 + 4) \times (44 - 4))) - 4)) \\ &:= (555 + 5/5) \times ((5 \times 5) - ((5 + 5)/5)) \\ &:= 6 + ((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) + ((6 + 6)/6)) \\ &:= ((7 + 7 + 7) \times (((7 \times 77) - 7) + 77)) - 7/7 \\ &:= (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - ((88 + 8)/8) \\ &:= ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - (9/9 + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12789 &:= ((1 + 1) \times (11 - 1)) + ((1 + (1 + 111))^{1+1}) \\ &:= 22 + (((222/2) + 2)^2) - 2 \\ &:= (3 \times ((3 + 3) \times (3^{3+3}))) - 333 \\ &:= ((44 + 4/4) + 4) \times ((4/4 + 4^4) + 4) \\ &:= ((55/5 + 5) + 5) \times (((5^5 - 55)/5) - 5) \\ &:= (6 \times 66) + (((66/6) + 6) \times ((6 \times 6/(6 + 6))^6)) \\ &:= (7 + 7 + 7) \times (((7 \times 77) - 7) + 77) \\ &:= (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - (88/8) \\ &:= ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12790 &:= 11 + (11 + (((1 + (1 + 111))^{1+1}) - 1)) \\ &:= 22 + (((222/2) + 2)^2) - 2/2 \\ &:= 3/3 + ((3 \times ((3 + 3) \times (3^{3+3}))) - 333) \\ &:= (4/4 + 4) \times (((4^4 \times (44 - 4)) - (4 + 4))/4) \\ &:= (5 \times (5^5 - 555)) - (55 + 5) \\ &:= (6 - 6/6) \times ((6 \times ((6 \times (66 + 6)) - 6)) + ((6 + 6)/6)) \\ &:= 7/7 + ((7 + 7 + 7) \times (((7 \times 77) - 7) + 77)) \\ &:= ((8 - 88)/8) + (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) \\ &:= 9/9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - 9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12791 &:= 11 + (11 + ((1 + (1 + 111))^{1+1})) \\
&:= 22 + (((222/2) + 2)^2) \\
&:= (33/3) + ((3^3 + 33) \times (((3 + 3)^3) - 3)) \\
&:= ((4/4 + 4) \times (((4^4 \times (44 - 4)) - 4)/4)) - 4 \\
&:= 5 + (((5 \times (55 + 5^5)) - 5^5) + (55/5)) \\
&:= (66/6) + (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) \\
&:= ((7 + 7)/7) + ((7 + 7 + 7) \times (((7 \times 77) - 7) + 77)) \\
&:= (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - (8/8 + 8) \\
&:= ((9 + 9)/9) + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12792 &:= 1 + (11 + (11 + ((1 + (1 + 111))^{1+1}))) \\
&:= 2 \times (2 \times ((2 \times ((2 \times (22 - 2))^2) - 2)) \\
&:= 3 + ((3 \times ((3 + 3) \times (3^{3+3}))) - 333) \\
&:= (4 + 4) \times ((4 \times (444 - 44)) - 4/4) \\
&:= ((5^5 - 5)/(5 + 5)) + ((5 - 5/5) \times (5^5 - 5)) \\
&:= 6 + ((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) + 6) \\
&:= (7 - 7/7) \times (((((7 + 7)/7)^{77/7}) + 77) + 7) \\
&:= (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 8 \\
&:= ((9 + 9 + 9)/9) + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12793 &:= ((1 + 1) \times (1 + 11)) + ((1 + (1 + 111))^{1+1}) \\
&:= 2 + (((222/2) + 2)^2) + 22 \\
&:= 3 + (((3 \times ((3 + 3) \times (3^{3+3}))) - 333) + 3/3) \\
&:= 4 + (((44 + 4/4) + 4) \times ((4/4 + 4^4) + 4)) \\
&:= 5 + ((555 + 5/5) \times ((5 \times 5) - ((5 + 5)/5))) \\
&:= 6 + (((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) + 6/6) + 6) \\
&:= (((((7 + 7)/7)^7) \times (((7 + 7)/7) + (7 \times (7 + 7)))) - 7) \\
&:= 8/8 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 8) \\
&:= (99/9) \times ((999 + (9 \times (9 + 9))) + (9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12794 &:= 1 + (((1 + 1) \times (1 + 11)) + ((1 + (1 + 111))^{1+1})) \\
&:= (2 \times (((2 \times (2 \times (22 - 2))^2) - 2)) - 2) \\
&:= 3 + (((3^3 + 33) \times (((3 + 3)^3) - 3)) + (33/3)) \\
&:= 4 + ((4/4 + 4) \times (((4^4 \times (44 - 4)) - (4 + 4))/4)) \\
&:= (5 \times (5^5 - 555)) - (55 + 5/5) \\
&:= 6 + (((6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) + ((6 + 6)/6)) + 6) \\
&:= 7 + (((7 + 7 + 7) \times (((7 \times 77) - 7) + 77)) - ((7 + 7)/7)) \\
&:= ((8 + 8)/8) + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 8) \\
&:= ((9 + 9)/9) \times ((9 \times ((9 \times (9 \times 9)) - (9 + 9))) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12795 &:= ((1 + 1) \times (1 + 1 + 11)) + ((1 + (1 + 111))^{1+1}) \\
&:= 2 + (((((222/2) + 2)^2) + 22) + 2) \\
&:= ((3^3 - 3)^3) - (3 \times ((3/3 + 3 + 3)^3)) \\
&:= (4/4 + 4) \times (((4^4 \times (44 - 4)) - 4)/4) \\
&:= (5 \times (5^5 - 555)) - 55 \\
&:= 6 + (((66/6) + 6) \times ((6 \times 6/(6 + 6))^6) + (6 \times 66)) \\
&:= ((7/7 + 7) + 7) \times (((77 \times 77) - 7)/7) + 7) \\
&:= 88/8 + ((8 + 8) \times (888 - (8/8 + 88))) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12796 &:= (1 + 1) \times (((((11 - 1 - 1)^{1+1}) - 1)^{1+1}) - (1 + 1)) \\
&:= 2 \times (((2 \times (2 \times (22 - 2))^2) - 2) \\
&:= 3^3 + (((333 - 3)/3) + 3)^{3-3/3} \\
&:= (4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4)))) - 4 \\
&:= 5/5 + ((5 \times (5^5 - 555)) - 55) \\
&:= (6 \times (6 \times 6 + 6)) + (((666 + 6)/6)^{(6+6)/6}) \\
&:= 7 + ((7 + 7 + 7) \times (((7 \times 77) - 7) + 77)) \\
&:= (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - (8 \times 8/(8 + 8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12797 &:= (11 \times 1111) + (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= 2/2 + (2 \times (((2 \times (2 \times (22 - 2))^2) - 2)) \\
&:= 3^{3 \times 3} - (((3 \times (3 + 3)) + 3/3)^3) + 3^3 \\
&:= 4/4 + ((4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4)))) - 4) \\
&:= ((5 + 5)/5) + ((5 \times (5^5 - 555)) - 55) \\
&:= (66 + 6/6) \times ((6 \times (6 \times 6 - 6)) + (66/6)) \\
&:= 7 + (((7 + 7 + 7) \times (((7 \times 77) - 7) + 77)) + 7/7) \\
&:= 8 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 88/8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12798 &:= (1 + 1) \times (((((11 - 1 - 1)^{1+1}) - 1)^{1+1}) - 1) \\
&:= (2 \times ((2 \times (2 \times (22 - 2))^2) - 2) \\
&:= 3 \times (3 \times ((33 \times 33) + 333)) \\
&:= ((4 - 4/4)^4) \times ((4 \times (44 - 4)) - ((4 + 4)/4)) \\
&:= (5 \times ((55 + 5^5) + 5)) - (((5 + 5)/5) + 5^5) \\
&:= (66 \times ((6 \times 6 \times 6) - (6 + 6))) - 666 \\
&:= ((7 + 7)/7 + 7) \times ((7 \times (((7 \times 7) \times (7 + 7)) + 7)) + 7/7) \\
&:= (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - ((8 + 8)/8) \\
&:= (9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12799 &:= ((1 + 1) \times (((((11 - 1 - 1)^{1+1}) - 1)^{1+1}) - 1) \\
&:= (2 \times ((2 \times (2 \times (22 - 2))^2) - 2)/2) \\
&:= 3/3 + (3 \times (3 \times ((33 \times 33) + 333))) \\
&:= (4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4)))) - 4/4 \\
&:= (5 \times ((55 + 5^5) + 5)) - (5^5 + 5/5) \\
&:= 6 \times 6 + (((666 + 6) + 6)/6)^{(6+6)/6} - 6) \\
&:= (((7/7 + 7) + 7) \times (777 + 77)) - (77/7) \\
&:= (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 8/8 \\
&:= 9/9 + ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12800 &:= (1 + 1) \times (((((11 - 1 - 1)^{1+1}) - 1)^{1+1}) \\
&:= 2 \times ((2 \times (2 \times (22 - 2))^2) \\
&:= ((3/3 - 3) + 3^3) \times ((3 - 3/3)^{3 \times 3}) \\
&:= 4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4))) \\
&:= 5 \times (5^5 - ((555 + 5) + 5)) \\
&:= (((6 + 6)/6)^6) \times (((6 - 66)/6) - 6) + 6 \times 6 \times 6) \\
&:= (((7 + 7)/7)^7) \times (((7 + 7)/7) + (7 \times (7 + 7))) \\
&:= 8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8)) \\
&:= ((9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9)))
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 12801 &:= 1 + ((1 + 1) \times (((11 - 1 - 1)^{1+1}) - 1)^{1+1})) \\ &:= 2/2 + (2 \times ((2 \times (2 \times (22 - 2)))^2)) \\ &:= 3 + (3 \times (3 \times ((33 \times 33) + 333))) \\ &:= 4/4 + (4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4)))) \\ &:= 5/5 + (5 \times (5^5 - ((555 + 5) + 5))) \\ &:= 6 \times 6 + ((666/6) \times (((6 \times (6 + 6 + 6)) + 6/6) + 6)) \\ &:= 7/7 + (((7 + 7)/7)^7) \times (((7 + 7)/7) + (7 \times (7 + 7))) \\ &:= 8/8 + (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) \\ &:= ((9 + 9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12802 &:= (1 + 1) \times (1 + (((11 - 1 - 1)^{1+1}) - 1)^{1+1})) \\ &:= 2 + (2 \times ((2 \times (2 \times (22 - 2)))^2)) \\ &:= 33 + (((333 - 3)/3) + 3)^{3-3/3} \\ &:= ((4 + 4)/4) + (4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4)))) \\ &:= ((5 + 5)/5) + (5 \times (5^5 - ((555 + 5) + 5))) \\ &:= (((6 + 6)/6)^6) + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) - 6) \\ &:= 7 + (((7/7 + 7) + 7) \times (((77 \times 77) - 7)/7) + 7)) \\ &:= ((8 + 8)/8) + (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) \\ &:= ((9 + 9)/9) \times (((9 \times 9) - 9/9)^{(9+9)/9}) + 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12803 &:= 1 + ((1 + 1) \times (1 + (((11 - 1 - 1)^{1+1}) - 1)^{1+1})) \\ &:= 22^2 + (((222/2)^2) - 2) \\ &:= 3 + (((3/3 - 3) + 3^3) \times ((3 - 3/3)^{3 \times 3})) \\ &:= 4 + ((4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4)))) - 4/4) \\ &:= 5 + ((5 \times ((55 + 5^5) + 5)) - (((5 + 5)/5) + 5^5)) \\ &:= (66 - (6/6 + 6)) \times ((6 \times 6 \times 6) + 6/6) \\ &:= (((7/7 + 7) + 7) \times (777 + 77)) - 7 \\ &:= 88/8 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 8) \\ &:= ((9 \times 9 + 9)/(9 + 9)) + ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12804 &:= (111^{1+1}) + (((11 + 11)^{1+1}) - 1) \\ &:= 2 \times (((2 \times (2 \times (22 - 2)))^2) + 2) \\ &:= 3 + ((3 \times (3 \times ((33 \times 33) + 333))) + 3) \\ &:= 4 + (4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4)))) \\ &:= 5 + ((5 \times ((55 + 5^5) + 5)) - (5^5 + 5/5)) \\ &:= 66 + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) - 6) \\ &:= ((77 + 7)/7) \times ((77 \times (7 + 7)) - (77/7)) \\ &:= (8 \times 88) + (((888 - 8)/8)^{(8+8)/8}) \\ &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - ((9 + 9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12805 &:= (111^{1+1}) + ((11 + 11)^{1+1}) \\ &:= 22^2 + ((222/2)^2) \\ &:= 3 + (((333 - 3)/3) + 3)^{3-3/3} + 33 \\ &:= (4/4 + 4) \times (((4^4 \times (44 - 4)) + 4)/4) \\ &:= 5 + (5 \times (5^5 - ((555 + 5) + 5))) \\ &:= 6 \times 6 + (((666 + 6) + 6)/6)^{(6+6)/6} \\ &:= (77 - ((77 + 7)/7)) \times (((7 + 7) \times (7 + 7)) + 7/7) \\ &:= 8 + (((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 88/8) + 8) \\ &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - ((9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12806 &:= 1 + ((111^{1+1}) + ((11 + 11)^{1+1})) \\ &:= 2 + (2 \times (((2 \times (2 \times (22 - 2)))^2) + 2)) \\ &:= (3 \times (((3 + 3)^3) - 3)) + ((3^3 - (3/3 + 3))^3) \\ &:= 4 + ((4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4)))) + ((4 + 4)/4)) \\ &:= 5 + ((5 \times (5^5 - ((555 + 5) + 5))) + 5/5) \\ &:= ((6/6 + 6 + 6) + 6) \times ((666 + ((6 + 6)/6)) + 6) \\ &:= ((7 \times 7) - (77/7)) \times ((7 \times 7 \times 7 - 7) + 7/7) \\ &:= 8 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - ((8 + 8)/8)) \\ &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12807 &:= 1 + (1 + ((111^{1+1}) + ((11 + 11)^{1+1}))) \\ &:= 2 + (((222/2)^2) + 22^2) \\ &:= 3 \times ((3 \times ((33 \times 33) + 333)) + 3) \\ &:= 4 + (((4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4)))) - 4/4) + 4) \\ &:= (5 \times 5^5) + (((5^5 - 5)/5 + 5) - (5^5 + 5)) \\ &:= (6 \times ((6 \times (6 \times (66 - 6))) - 6)) - ((666/6) + 6) \\ &:= 7 + (((7 + 7)/7)^7) \times (((7 + 7)/7) + (7 \times (7 + 7))) \\ &:= 8 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 8/8) \\ &:= 9 + ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12808 &:= ((1 + 111)^{1+1}) + ((1 + 1) \times (11 \times (1 + 11))) \\ &:= 2 \times (((2 \times (2 \times (22 - 2)))^2) + 2) + 2 \\ &:= (3 \times (3 \times ((3 \times 3 + 3)^3)) - ((33/3 + 3)^3)) \\ &:= 4 + ((4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4)))) + 4) \\ &:= (5 \times 5^5) + (((5^5 + 5)/5 + 5) - (5^5 + 5)) \\ &:= (((6 + 6)/6)^6) + (6 \times (6 \times ((6 \times (66 - 6)) - 6))) \\ &:= ((77 + 7) \times (77 + 77)) - (((7 + 7)/7)^7) \\ &:= 8 + (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) \\ &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12809 &:= 1 + (((1 + 111)^{1+1}) + ((1 + 1) \times (11 \times (1 + 11)))) \\ &:= 2 + (((222/2)^2) + 22^2) + 2 \\ &:= 3 + (((3^3 - (3/3 + 3))^3) + (3 \times (((3 + 3)^3) - 3))) \\ &:= 4 + ((4/4 + 4) \times (((4^4 \times (44 - 4)) + 4)/4)) \\ &:= (5 \times (5^5 - (555 + 5))) - (55/5 + 5) \\ &:= 6 + ((66 - (6/6 + 6)) \times ((6 \times 6 \times 6) + 6/6)) \\ &:= (((7/7 + 7) + 7) \times (777 + 77)) - 7/7 \\ &:= 8 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) + 8/8) \\ &:= (99/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12810 &:= (1 + 1 + 1) \times (((1 + 1)^{11}) + ((1 + 1) \times 1111)) \\ &:= 2 + (2 \times (((2 \times (2 \times (22 - 2)))^2) + 2) + 2) \\ &:= ((33 - 3/3) + 3) \times (333 + 33) \\ &:= (4/4 + 4) \times (((4^4 \times (44 - 4)) + 4)/4) \\ &:= 5 + ((5 \times (5^5 - ((555 + 5) + 5))) + 5) \\ &:= 66 + (6 \times (6 \times ((6 \times (66 - 6)) - 6))) \\ &:= ((7/7 + 7) + 7) \times (777 + 77) \\ &:= 8 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) + ((8 + 8)/8)) \\ &:= ((99 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12811 &:= 11 + ((1 + 1) \times (((11 - 1 - 1)^{1+1}) - 1)^{1+1}) \\
 &:= (22/2) + (2 \times ((2 \times (2 \times (22 - 2)))^2)) \\
 &:= 3 + ((3 \times (3 \times ((3 \times 3 + 3)^3))) - ((33/3 + 3)^3)) \\
 &:= (44/4) + (4 \times (4 \times ((4 \times 4 + 4) \times (44 - 4)))) \\
 &:= 5^5 + (((5 - 5/5) + 5)^{5-5/5}) + 5^5 \\
 &:= ((6/6 + 6)^{6-6/6}) - (6 \times 666) \\
 &:= 7/7 + (((7/7 + 7) + 7) \times (777 + 77)) \\
 &:= 88/8 + (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) \\
 &:= ((99 + 9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12816 &:= ((1 + 11)^{1+1}) \times (111 - (11 + 11)) \\
 &:= 2 \times (2 \times (2 \times ((2 \times (22 - 2))^2) + 2))) \\
 &:= ((3^3 - 3)^3) - (3 \times (333 + 3)) \\
 &:= (4 + 4 + 4) \times ((4 \times 4^4) + 44) \\
 &:= 5/5 + (55 \times (((5 - (5 + 5)/5)^5) - (5 + 5))) \\
 &:= 6 \times (((6 \times ((6 \times (66 - 6)) - 6)) + 6) + 6) \\
 &:= ((7 \times 7) - 7/7) \times ((7 \times 7 \times 7 - 77) + 7/7) \\
 &:= 8 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8)))) + 8 \\
 &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12812 &:= 1 + (11 + ((1 + 1) \times (((11 - 1 - 1)^{1+1}) - 1)^{1+1})) \\
 &:= 2 \times (((((2 \times (2 \times (22 - 2)))^2) + 2) + 2) + 2) \\
 &:= (3 \times ((3 + 3)^3)) + (((3^3 - (3/3 + 3))^3) - 3) \\
 &:= ((4 + 4 + 4) \times ((4 \times 4^4) + 44)) - 4 \\
 &:= (5 \times 5^5) + (((5^5 - 5)/(5 + 5)) - 5^5) \\
 &:= 66 + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) + ((6 + 6)/6)) \\
 &:= ((7 + 7)/7) + (((7/7 + 7) + 7) \times (777 + 77)) \\
 &:= ((88 + 8)/8) + (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) \\
 &:= ((9 + 9) \times 99) + ((9999/9) - (9 \times 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12817 &:= 1 + (((1 + 11)^{1+1}) \times (111 - (11 + 11))) \\
 &:= (2 \times (22 + 2)) + (((222/2) + 2)^2) \\
 &:= 3/3 + (((3^3 - 3)^3) - (3 \times (333 + 3))) \\
 &:= 4/4 + ((4 + 4 + 4) \times ((4 \times 4^4) + 44)) \\
 &:= 5 + (((5^5 - 5)/(5 + 5)) - 5^5) + (5 \times 5^5) \\
 &:= ((6 - 6/6)^6) - (6 \times (6 \times ((66 + 6) + 6))) \\
 &:= 7 + (((7/7 + 7) + 7) \times (777 + 77)) \\
 &:= 8 + (((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8)))) + 8/8) + 8 \\
 &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) + 9/9) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12813 &:= ((1 + 1) \times (11 + 11)) + ((1 + (1 + 111))^{1+1}) \\
 &:= (2 \times 22) + (((222/2) + 2)^2) \\
 &:= 33 + ((3^3 + 33) \times (((3 + 3)^3) - 3)) \\
 &:= 44 + (((444 + 4) + 4)/4)^{(4+4)/4} \\
 &:= (5 \times 5^5) + (((5^5 + 5)/(5 + 5)) - 5^5) \\
 &:= (6 \times ((6 \times (6 \times (66 - 6))) - 6)) - (666/6) \\
 &:= 7 + (((7 \times 7) - (77/7)) \times ((7 \times 7 \times 7 - 7) + 7/7)) \\
 &:= 88 + ((8 \times (888 + (8 \times 88))) - 88/8) \\
 &:= ((9 + 9) \times (9 \times (9 \times 9)) - (99/9)) - (999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12818 &:= 1 + (1 + (((1 + 11)^{1+1}) \times (111 - (11 + 11)))) \\
 &:= 2 + (2 \times (2 \times (2 \times ((2 \times (22 - 2))^2) + 2))) \\
 &:= 3 + (((3^3 - (3/3 + 3))^3) + (3 \times ((3 + 3)^3))) \\
 &:= ((4 + 4)/4) + ((4 + 4 + 4) \times ((4 \times 4^4) + 44)) \\
 &:= (5 \times (5^5 - 555)) - (((5 + 5)/5)^5) \\
 &:= (((6 + 6)/6)^6) - 6 \times (((6 \times 6 \times 6) - 6/6) + 6) \\
 &:= 7 \times 7 + (((777 + 7) + 7)/7)^{(7+7)/7} \\
 &:= 8 + (((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8)))) + ((8 + 8)/8)) + 8 \\
 &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) + (99/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12814 &:= 1 + (((1 + 1) \times (11 + 11)) + ((1 + (1 + 111))^{1+1})) \\
 &:= (2 \times (2 \times (2 \times ((2 \times (22 - 2))^2) + 2))) - 2 \\
 &:= ((3^3 - 3)^3) - ((3 \times 333) + (33/3)) \\
 &:= (44 - 4/4) \times ((4^4 - (4 + 4)/4) + 44) \\
 &:= (5 \times (5^5 - (555 + 5))) - (55/5) \\
 &:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) - 6))) + (((6 + 6)/6)^6)) \\
 &:= 7 + (((((7 + 7)/7)^7) \times (((7 + 7)/7) + (7 \times (7 + 7)))) + 7) \\
 &:= 8 + (((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8)))) - ((8 + 8)/8)) + 8 \\
 &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - ((9 + 9)/9)) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12819 &:= ((1 + 111)^{1+1}) + (11 \times (1 + (1 + 1) \times (1 + 11))) \\
 &:= 2 + (((222/2) + 2)^2) + (2 \times (22 + 2)) \\
 &:= 3 + (((3^3 - 3)^3) - (3 \times (333 + 3))) \\
 &:= 4 + (((4 + 4 + 4) \times ((4 \times 4^4) + 44)) - 4/4) \\
 &:= (5 \times (5^5 - (555 + 5))) - (5/5 + 5) \\
 &:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) - 6)) - (666/6)) \\
 &:= (((7 + 7)/7)^7) + (7 \times (7 \times (7 \times 7 - 77 + 7))) \\
 &:= 8 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) + (88/8)) \\
 &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) + ((99 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12815 &:= 11 \times (1111 + (((111 - 1)/(1 + 1)) - 1)) \\
 &:= 2 + (((222/2) + 2)^2) + 2 \times 22 \\
 &:= (3 \times ((3 + 3)^3)) + ((3^3 - (3/3 + 3))^3) \\
 &:= ((4 + 4 + 4) \times ((4 \times 4^4) + 44)) - 4/4 \\
 &:= 55 \times (((5 - (5 + 5)/5)^5) - (5 + 5)) \\
 &:= (6 \times (((6 \times (6 \times (66 - 6)) - 6)) + 6) + 6) - 6/6 \\
 &:= 77/7 \times (((7 + 7) \times (77 + 7)) - (77/7)) \\
 &:= 8 + (((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8)))) - 8/8) + 8 \\
 &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - 9/9) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12820 &:= ((1 + 11) \times 1111) - ((1 + 1)^{11-1-1}) \\
 &:= 2 \times ((2 \times (2 \times ((2 \times (22 - 2))^2) + 2))) + 2 \\
 &:= 3 + (((3^3 - 3)^3) - (3 \times (333 + 3))) + 3/3 \\
 &:= 4 + ((4 + 4 + 4) \times ((4 \times 4^4) + 44)) \\
 &:= (5 \times (5^5 - (555 + 5))) - 5 \\
 &:= 6 + (((6 \times (6 \times ((6 \times (66 - 6)) - 6))) + (((6 + 6)/6)^6)) + 6 \\
 &:= 7 + (((7 \times 7) - (77/7)) \times ((7 \times 7 \times 7 - 7) + 7/7)) + 7 \\
 &:= (((88 + 8)/8) + 8) \times ((8 \times (88 - 8)) + 8/8) \\
 &:= (9 \times (9 \times 9)) + (((99/9) + 99)^{(9+9)/9}) - 9
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12821 &:= (111^{1+1}) + (((11-1)^{1+1+1})/(1+1)) \\
&:= 22 + ((2 \times ((2 \times (2 \times (22-2)))^2)) - 2/2) \\
&:= 3^{3 \times 3} - (((3 \times (3+3)) + 3/3)^3) + 3 \\
&:= ((44/4)^4) - ((4 \times 444) + 44) \\
&:= 5/5 + ((5 \times (5^5 - (555+5))) - 5) \\
&:= 6 + ((6 \times (((6 \times ((6 \times (66-6)) - 6)) + 6) + 6)) - 6/6) \\
&:= ((7-7/7) \times (((7+7+7)/7)^7) - (7 \times 7)) - 7 \\
&:= (8 \times 8 \times 8) + ((88/8) \times ((8888/8) + 8)) \\
&:= (9 \times ((9 \times (9 \times (9+9)) + 9)) + 9) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12822 &:= (1+1) \times (11 + (((11-1-1)^{1+1}) - 1)^{1+1}) \\
&:= 22 + (2 \times ((2 \times (2 \times (22-2)))^2)) \\
&:= ((3^3 - 3)^3) - ((3 \times 333) + 3) \\
&:= 4 + (((4+4+4) \times ((4 \times 4^4) + 44)) + ((4+4)/4)) \\
&:= ((5+5)/5) + ((5 \times (5^5 - (555+5))) - 5) \\
&:= 6 + (6 \times (((6 \times ((6 \times (66-6)) - 6)) + 6) + 6)) \\
&:= 7 + ((77/7) \times (((7+7) \times (77+7)) - (77/7))) \\
&:= 88 + ((8 \times (888 + (8 \times 88))) - ((8+8)/8)) \\
&:= (((99-9/9) + 9) \times ((999/9) + 9)) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12823 &:= 1 + ((1+1) \times (11 + (((11-1-1)^{1+1}) - 1)^{1+1})) \\
&:= 22 + ((2 \times ((2 \times (2 \times (22-2)))^2)) + 2/2) \\
&:= 3/3 + (((3^3 - 3)^3) - ((3 \times 333) + 3)) \\
&:= 4 + (((4+4+4) \times ((4 \times 4^4) + 44)) - 4/4) + 4 \\
&:= (5 \times (5^5 - (555+5))) - ((5+5)/5) \\
&:= 6 + (((6-6/6)^6) - (6 \times (6 \times ((66+6) + 6)))) \\
&:= 7 + (((7 \times 7) - 7/7) \times ((7 \times 7 \times 7 - 77) + 7/7)) \\
&:= 88 + ((8 \times (888 + (8 \times 88))) - 8/8) \\
&:= 9 + (((9+9) \times (9 \times (9 \times 9)) - (9+9)) - ((9+9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12824 &:= ((111-1)/(1+1)) + ((1+(1+111))^{1+1}) \\
&:= 2 + ((2 \times ((2 \times (2 \times (22-2)))^2)) + 22) \\
&:= 3^{3 \times 3} - (((3 \times (3+3)) + 3/3)^3) \\
&:= 4 + (((4+4+4) \times ((4 \times 4^4) + 44)) + 4) \\
&:= (5 \times (5^5 - (555+5))) - 5/5 \\
&:= 6 + (((((6+6)/6)^6) - 6) \times (((6 \times 6 \times 6) - 6/6) + 6)) \\
&:= (7+7) \times (((77 \times (77+7)) - 7)/7) - 7 \\
&:= 88 + (8 \times (888 + (8 \times 88))) \\
&:= (((9+9)/9)^9) + (9 \times ((9 \times (9 \times 9)) - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12825 &:= ((1+111)/(1+1)) + ((1+(1+111))^{1+1}) \\
&:= 22 + (((222/2)^2) - 2) + 22^2 \\
&:= ((3^3 - 3)^3) - (3 \times 333) \\
&:= 4 + (((44/4)^4) - ((4 \times 444) + 44)) \\
&:= 5 \times (5^5 - (555+5)) \\
&:= ((6+6) \times (6 \times 6 + 6)) + ((666/6)^{(6+6)/6}) \\
&:= ((7/7+7) + 7) \times (((77 \times 77) + 7)/7) + 7 \\
&:= ((8/8+8+8) + 8) \times ((8 \times 8 \times 8) + 8/8) \\
&:= 9 + (((9+9) \times (9 \times (9 \times 9)) - (9+9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12826 &:= 11 \times (11 \times (111 - (1+1+1+1+1))) \\
&:= 22 + (2 \times (((2 \times (2 \times (22-2)))^2) + 2)) \\
&:= 3/3 + (((3^3 - 3)^3) - (3 \times 333)) \\
&:= (44/4) \times ((44 \times (4^4 - 44))/(4+4)) \\
&:= 5/5 + (5 \times (5^5 - (555+5))) \\
&:= (66/6) \times (((6666-66)/6) + 66) \\
&:= (((7+7)/7)^7) - 7 \times (((7 \times (7+7)) + 7/7) + 7) \\
&:= 8/8 + (((8/8+8+8) + 8) \times ((8 \times 8 \times 8) + 8/8)) \\
&:= 9 + (((9+9) \times (9 \times (9 \times 9)) - (9+9)) + 9/9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12827 &:= 1 + (11 \times (11 \times (111 - (1+1+1+1+1)))) \\
&:= 22 + (((222/2)^2) + 22^2) \\
&:= 3 + ((3^{3 \times 3}) - (((3 \times (3+3)) + 3/3)^3)) \\
&:= (44/4) + ((4+4+4) \times ((4 \times 4^4) + 44)) \\
&:= ((5+5)/5) + (5 \times (5^5 - (555+5))) \\
&:= (66/6) + (6 \times (((6 \times ((6 \times (66-6)) - 6)) + 6) + 6)) \\
&:= (7 \times 77) + ((7-7/7) \times (((7+7)/7)^{77/7})) \\
&:= ((8 \times (8+8)) - 8/8) \times (8888/88) \\
&:= 9 + (((9+9) \times (9 \times (9 \times 9)) - (9+9)) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12828 &:= 11111 + (((1+11)^{1+1+1}) - 11) \\
&:= (2+2+2) \times (((2 \times 22+2)^2) + 22) \\
&:= 3 + (((3^3 - 3)^3) - (3 \times 333)) \\
&:= (4-4/4) \times (((4 \times 44) + ((4+4)^4)) + 4) \\
&:= 5 + ((5 \times (5^5 - (555+5))) - ((5+5)/5)) \\
&:= (6+6) \times (((6 \times (6 \times (6 \times 6 - 6))) - (66/6))) \\
&:= (7-7/7) \times (((7+7+7)/7)^7) - (7 \times 7) \\
&:= 8 + (((88+8)/8) + 8) \times ((8 \times (88-8)) + 8/8) \\
&:= (9 \times (9 \times 9)) + ((999/9) \times ((9/9+99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12829 &:= ((111-1)^{1+1}) + ((11-1-1)^{1+1+1}) \\
&:= 2 + (((222/2)^2) + 22^2) + 22 \\
&:= 3 + (((3^3 - 3)^3) - (3 \times 333)) + 3/3 \\
&:= ((44/4)^4) - ((4 \times ((444+4) + 4)) + 4) \\
&:= 5 + ((5 \times (5^5 - (555+5))) - 5/5) \\
&:= 6 + (((6-6/6)^6) - (6 \times (6 \times ((66+6) + 6)))) + 6 \\
&:= 7/7 + ((7-7/7) \times (((7+7+7)/7)^7) - (7 \times 7)) \\
&:= ((88/8) \times (((8888/8) - 8) + (8 \times 8))) - 8 \\
&:= (9 \times (9 \times 9)) + (((99/9) + 99)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12830 &:= (((11^{1+1}) - (1+1))^{1+1}) - (11^{1+1+1}) \\
&:= ((2^{2+2}) \times ((2 \times ((22-2)^2) + 2)) - 2) \\
&:= 3 + (((3^{3 \times 3}) - (((3 \times (3+3)) + 3/3)^3)) + 3) \\
&:= 4 + ((44/4) \times ((44 \times (4^4 - 44))/(4+4))) \\
&:= 5 + (5 \times (5^5 - (555+5))) \\
&:= ((66-6)/6) \times ((6 \times 6 \times 6 \times 6) - (6/6+6+6)) \\
&:= ((7+7) \times ((77 \times ((77+7)/7)) - 7)) - (7/7+7) \\
&:= 8 + (((8 \times (888 + (8 \times 88))) - ((8+8)/8)) + 88) \\
&:= 9 + ((9 \times (9 \times (9 \times 9)) + 9) + 9) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12831 &:= (111^{1+1}) + (((1+1)^{11-1-1}) - (1+1)) \\
&:= (2^{2+2+2}) + (((222/2) + 2)^2) - 2) \\
&:= 3 + (((3^3 - 3)^3) - (3 \times 333)) + 3) \\
&:= (4 \times ((4+4)^4)) - (((4+4) \times 444) + 4/4) \\
&:= 5 + ((5 \times (5^5 - (555+5))) + 5/5) \\
&:= ((66 \times 6/(6+6)) \times ((6 \times 66) - (6/6+6))) - 6 \\
&:= ((7 - 7/7) + 7) \times (((7+7) \times (77-7)) + 7) \\
&:= 8 + (((8 \times (888 + (8 \times 88))) - 8/8) + 88) \\
&:= (((99+9)/9) + 9) \times (((9+9)/9)^9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12832 &:= (111^{1+1}) + (((1+1)^{11-1-1}) - 1) \\
&:= (2^{2+2}) \times ((2 \times ((22-2)^2)) + 2) \\
&:= (3 \times (3^{3+3})) + (((33-33/3)^3) - 3) \\
&:= (4+4) \times ((4 \times (444-44)) + 4) \\
&:= 5 + ((5 \times (5^5 - (555+5))) + ((5+5)/5)) \\
&:= (((6+6)/6) - 6) + (6 \times 6) \times (((6 \times 66) - 6/6) + 6) \\
&:= 7 + (((7/7+7) + 7) \times (((77 \times 77) + 7/7) + 7)) \\
&:= 8 + ((8 \times (888 + (8 \times 88))) + 88) \\
&:= ((9 - ((9+9)/9)) + 9) \times (((9 \times (9 \times 9 + 9)) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12833 &:= (111^{1+1}) + ((1+1)^{11-1-1}) \\
&:= (2^{2+2+2}) + (((222/2) + 2)^2) \\
&:= 3 \times 3 + ((3^{3 \times 3}) - (((3 \times (3+3)) + 3/3)^3)) \\
&:= ((44/4)^4) - (4 \times ((444+4) + 4)) \\
&:= ((5^5 + 5)/(5+5)) + ((5-5/5) \times (5^5 + 5)) \\
&:= 666 + (((66/6) + 6) + 6)^{6 \times 6/(6+6)} \\
&:= 7 + (((((7+7)/7)^7) - 7) \times (((7 \times (7+7)) + 7/7) + 7)) \\
&:= (8 \times 8 \times 8) + ((888/8)^{(8+8)/8}) \\
&:= (((9+9)/9)^9) + ((999/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12834 &:= 1 + ((111^{1+1}) + ((1+1)^{11-1-1})) \\
&:= 2 + ((2^{2+2}) \times ((2 \times ((22-2)^2)) + 2)) \\
&:= ((3^3 - 3)^3) + (3 \times (3 - 333)) \\
&:= 4/4 + (((44/4)^4) - (4 \times ((444+4) + 4))) \\
&:= (5 \times (5^5 - 555)) - (55/5 + 5) \\
&:= ((6-66) \times (6/6 - (6 \times 6 \times 6))) - 66 \\
&:= (7 - 7/7) \times (((((7+7+7)/7)^7) - (7 \times 7)) + 7/7) \\
&:= (((8+8)/8) + 8) + 8 \times (((8 \times 88) + 8/8) + 8) \\
&:= (9+9) \times (((9+9)/9) - (9+9)) + (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12835 &:= ((1 + (11^{1+1}))^{1+1}) - (1 + ((1+1)^{11})) \\
&:= 2 + (((222/2) + 2)^2) + (2^{2+2+2}) \\
&:= (3 \times (3^{3+3})) + (((33-33/3)^3) \\
&:= 4 + ((4 \times ((4+4)^4)) - (((4+4) \times 444) + 4/4)) \\
&:= 5 + ((5 \times (5^5 - (555+5))) + 5) \\
&:= 66 + (((666+6) + 6)/6)^{(6+6)/6} \\
&:= 7 + ((7 - 7/7) \times (((7+7+7)/7)^7) - (7 \times 7)) \\
&:= 8 + (((8 \times (8+8)) - 8/8) \times (8888/88)) \\
&:= 9/9 + ((9 \times (((9+9) \times (9+9)) - 9)) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12836 &:= ((1 + (11^{1+1}))^{1+1}) - ((1+1)^{11}) \\
&:= 2 + (((2^{2+2}) \times ((2 \times ((22-2)^2)) + 2)) + 2) \\
&:= (33/3) + (((3^3 - 3)^3) - (3 \times 333)) \\
&:= 4 + ((4+4) \times ((4 \times (444-44)) + 4)) \\
&:= (55/5) + (5 \times (5^5 - (555+5))) \\
&:= ((6-66) \times (6/6 - (6 \times 6 \times 6))) - (((6+6)/6)^6) \\
&:= ((7+7)/7) \times (((77 \times (77+7)) - (7/7 + (7 \times 7))) \\
&:= 8 + (((88+8)/8) + 8) \times (((8 \times (88-8)) + 8/8) + 8) \\
&:= ((9+9)/9) \times (((9 \times 9) - 9/9)^{(9+9)/9}) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12837 &:= 1 + (((1 + (11^{1+1}))^{1+1}) - ((1+1)^{11})) \\
&:= ((22/2)^2) + (22 \times (((22+2)^2) + 2)) \\
&:= 3 + ((3 \times (3 - 333)) + ((3^3 - 3)^3)) \\
&:= 4 + (((44/4)^4) - (4 \times ((444+4) + 4))) \\
&:= (55/5) \times (((5555+5)/5) + 55) \\
&:= (66 \times 6/(6+6)) \times ((6 \times 66) - (6/6+6)) \\
&:= 77/7 \times (((7777/7) + (7 \times 7)) + 7) \\
&:= (88/8) \times (((8888/8) - 8) + (8 \times 8)) \\
&:= (99/9) \times (((99-9/9) \times ((99+9)/9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12838 &:= 11111 + (((1+11)^{1+1+1}) - 1) \\
&:= 22 + (2 \times (2 \times (2 \times (((2 \times (22-2))^2) + 2)))) \\
&:= 3 + (((33-33/3)^3) + (3 \times (3^{3+3}))) \\
&:= ((44+4/4) + 4) \times (((4+4)/4 + 4^4) + 4) \\
&:= (5 \times (5^5 - 555)) - ((55+5)/5) \\
&:= (6 \times (6 \times (6 \times (66-6)))) - ((666+66)/6) \\
&:= (7+7) \times (((77 \times ((77+7)/7)) - 7) \\
&:= 8/8 + ((88/8) \times (((8888/8) - 8) + (8 \times 8))) \\
&:= (99-9/9) \times (((999+99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12839 &:= 11111 + ((1+11)^{1+1+1}) \\
&:= 2 + ((22 \times (((22+2)^2) + 2)) + ((22/2)^2)) \\
&:= ((3 \times 3 + 3)^3) + (33333/3) \\
&:= ((44-4) \times (((4^4+4)/4) + 4^4)) - 4/4 \\
&:= (5 \times (5^5 - 555)) - (55/5) \\
&:= ((6-66) \times (((6+6)/6) - (6 \times 6 \times 6))) - 6/6 \\
&:= 7/7 + ((7+7) \times (((77 \times ((77+7)/7)) - 7)) \\
&:= 8 \times 8 + (((8/8+8+8) + 8) \times (((8 \times 8 \times 8) - 8/8)) \\
&:= (9 \times (9 \times 9)) + ((99999/9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12840 &:= 1 + (11111 + ((1+11)^{1+1+1})) \\
&:= 2 \times (((2 \times (2 \times (22-2))^2) - 2) + 22) \\
&:= (3^3 + 33) \times (((3+3)^3) - 3) + 3/3) \\
&:= (44-4) \times (((4^4+4)/4) + 4^4) \\
&:= (5 \times (5^5 - 555)) - (5+5) \\
&:= (6-66) \times (((6+6)/6) - (6 \times 6 \times 6)) \\
&:= ((77+7)/7) \times (((77 \times (7+7)) - (7/7+7)) \\
&:= ((8-8/8) + 8) \times ((8 \times (88+8)) + 88) \\
&:= ((99-9/9) + 9) \times ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12841 &:= 1 + (1 + (11111 + ((1 + 11)^{1+1+1}))) \\
&:= (((22/2) + 2)^2) + (22 \times ((22 + 2)^2)) \\
&:= 3 + (((33 - 33/3)^3) + (3 \times (3^{3+3}))) + 3 \\
&:= 4/4 + ((44 - 4) \times (((4^4 + 4)/4) + 4^4)) \\
&:= 5/5 + ((5 \times (5^5 - 555)) - (5 + 5)) \\
&:= 6/6 + ((6 - 66) \times (((6 + 6)/6) - (6 \times 6 \times 6))) \\
&:= ((77 + 7) \times ((77 - 7/7) + 77)) - (77/7) \\
&:= 8 + (((888/8)^{(8+8)/8}) + (8 \times 8 \times 8)) \\
&:= 9/9 + (((99 - 9/9) + 9) \times ((999/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12842 &:= 1 + (1 + (1 + (11111 + ((1 + 11)^{1+1+1})))) \\
&:= (2 \times (((2 \times (2 \times (22 - 2)))^2) + 22)) - 2 \\
&:= 3 + ((33333/3) + ((3 \times 3 + 3)^3)) \\
&:= 4 + (((44 + 4/4) + 4) \times (((4 + 4)/4 + 4^4) + 4)) \\
&:= ((5 + 5)/5) + ((5 \times (5^5 - 555)) - (5 + 5)) \\
&:= ((6 + 6)/6) + ((6 - 66) \times (((6 + 6)/6) - (6 \times 6 \times 6))) \\
&:= 7 + (((7 - 7/7) \times (((7 + 7 + 7)/7)^7) - (7 \times 7)) + 7) \\
&:= 8 + (((((8 + 8)/8) + 8) + 8) \times (((8 \times 88) + 8/8) + 8)) \\
&:= 9 + (((999/9)^{(9+9)/9}) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12843 &:= 11 + ((111^{1+1}) + (((1 + 1)^{11-1-1}) - 1)) \\
&:= (2 \times (((2 \times (2 \times (22 - 2)))^2) + 22)) - 2/2 \\
&:= 3 \times (3 \times (((33/3)^3) - 3) + (3 \times 33)) \\
&:= (44 \times (((4 \times (4 + 4) + 4^4) + 4)) - (4/4 + 4)) \\
&:= (5 \times (5^5 - 555)) - (((5 + 5)/5) + 5) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - ((666/6) + 6) \\
&:= 7 + (((7 + 7)/7) \times ((77 \times (77 + 7)) - (7/7 + (7 \times 7)))) \\
&:= (8/8 + 8) \times (((88 \times (8 + 8)) + (88/8)) + 8) \\
&:= ((9 + 9) \times (9 \times (9 \times 9) - 9)) - (99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12844 &:= 11 + ((111^{1+1}) + ((1 + 1)^{11-1-1})) \\
&:= 2 \times (((2 \times (2 \times (22 - 2)))^2) + 22) \\
&:= (3 \times ((3^{3+3}) + 3)) + ((33 - 33/3)^3) \\
&:= (44 \times (((4 \times (4 + 4) + 4^4) + 4)) - 4) \\
&:= (5 \times (5^5 - 555)) - (5/5 + 5) \\
&:= (((6 + 6)/6)^6) + (6 \times ((6 \times ((6 \times (66 - 6)) - 6)) + 6)) \\
&:= (77 - 7/7) \times (((7 - 7/7) + 7)^{(7+7)/7}) \\
&:= (88 / ((8 + 8)/8)) + (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) \\
&:= ((99 + 9 + 9)/9) \times (999 - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12845 &:= 1 + (11 + ((111^{1+1}) + ((1 + 1)^{11-1-1}))) \\
&:= 2/2 + (2 \times (((2 \times (2 \times (22 - 2)))^2) + 22)) \\
&:= 3 + (((33333/3) + ((3 \times 3 + 3)^3)) + 3) \\
&:= ((44/4)^4) - ((4 \times (444 + 4)) + 4) \\
&:= (5 \times (5^5 - 555)) - 5 \\
&:= ((6 \times 6) - 6/6) \times (((6 \times (66 - 6)) + 6/6) + 6) \\
&:= 7 + ((7 + 7) \times ((77 \times ((77 + 7)/7)) - 7)) \\
&:= 8 + ((88/8) \times (((8888/8) - 8) + (8 \times 8))) \\
&:= 9 + (((9 + 9)/9) \times (((((9 \times 9) - 9/9)^{(9+9)/9}) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12846 &:= 11 + (((1 + (11^{1+1}))^{1+1}) - (1 + ((1 + 1)^{11}))) \\
&:= 2 + (2 \times (((2 \times (2 \times (22 - 2)))^2) + 22)) \\
&:= (3 \times (3^3 \times (((3 + 3) \times 3^3) - 3))) - 33 \\
&:= (44 \times (((4 \times (4 + 4) + 4^4) + 4)) - ((4 + 4)/4)) \\
&:= 5/5 + ((5 \times (5^5 - 555)) - 5) \\
&:= 6 + ((6 - 66) \times (((6 + 6)/6) - (6 \times 6 \times 6))) \\
&:= 77 + (((777 + 7) + 7)/7)^{(7+7)/7} \\
&:= ((8 + 8)/8) \times (((88 \times ((8 \times 8) + 8)) - 8/8) + 88) \\
&:= 9 + ((99/9) \times (((99 - 9/9) \times ((99 + 9)/9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12847 &:= 11 + (((1 + (11^{1+1}))^{1+1}) - ((1 + 1)^{11})) \\
&:= (2 \times 22^2) + (((222/2 - 2)^2) - 2) \\
&:= 3 + (((3 \times 3 + 3) \times (3^{3+3})) + ((3/3 + 3)^{3+3})) \\
&:= (44 \times (((4 \times (4 + 4) + 4^4) + 4)) - 4/4) \\
&:= ((5 + 5)/5) + ((5 \times (5^5 - 555)) - 5) \\
&:= ((6 - 6/6)^6) - ((66 \times (6 \times 6 + 6)) + 6) \\
&:= 7 + (((77 + 7)/7) \times ((77 \times (7 + 7)) - (7/7 + 7))) \\
&:= (888/8) + (8 \times (888 + (8 \times 8))) \\
&:= 9 + ((99 - 9/9) \times (((999 + 99)/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12848 &:= 11 \times ((1 + 11)^{1+1}) + ((1 + 1)^{11-1-1}) \\
&:= 22 \times (((22 + 2)^2) + (2 \times (2 + 2))) \\
&:= 3^3 + ((3^{3 \times 3}) - (((3 \times (3 + 3)) + 3/3)^3) + 3) \\
&:= 44 \times (((4 \times (4 + 4) + 4^4) + 4)) \\
&:= (5 \times (5^5 - 555)) - ((5 + 5)/5) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - ((666 + 6)/6) \\
&:= (7/7 + 7) \times ((77 \times (7 + 7 + 7)) - (77/7)) \\
&:= (88 + 88) \times ((8/8 + (8 \times 8)) + 8) \\
&:= ((9 + 9) \times (9 \times (9 \times 9) - 9)) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12849 &:= 1 + (11 \times (((1 + 11)^{1+1}) + ((1 + 1)^{11-1-1}))) \\
&:= (2 \times 22^2) + (((222/2 - 2)^2) \\
&:= ((3^3 - 3)^3) - ((3^3 \times (33 + 3)) + 3) \\
&:= ((44/4)^4) - (4 \times (444 + 4)) \\
&:= (5 \times (5^5 - 555)) - 5/5 \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - (666/6) \\
&:= 7 \times 7 + (((7 + 7)/7)^7) \times (((7 + 7)/7) + (7 \times (7 + 7))) \\
&:= 8/8 + ((88 + 88) \times ((8/8 + (8 \times 8)) + 8)) \\
&:= ((9 + 9) \times (9 \times (9 \times 9) - 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12850 &:= (111^{1+1}) + ((1 + 11 + 11)^{1+1}) \\
&:= 2 + (22 \times (((22 + 2)^2) + (2 \times (2 + 2)))) \\
&:= 3/3 + (((3^3 - 3)^3) - ((3^3 \times (33 + 3)) + 3)) \\
&:= (4/4 + 4^4) \times (((4 + 4)/4) + 44) + 4 \\
&:= 5 \times (5^5 - 555) \\
&:= ((66 - 6)/6) \times ((6 \times 6 \times 6 \times 6) - (66/6)) \\
&:= (7/7 + (7 \times 7)) \times (((7 + 7)/7)^{7/7+7}) + 7/7 \\
&:= ((8/8 + 8 + 8) + 8) \times ((8 \times 8 \times 8) + ((8 + 8)/8)) \\
&:= 9 \times 9 + (((999 + 9) + 9)/9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12851 &:= 1 + ((111^{1+1}) + ((1 + 11 + 11)^{1+1})) \\
&:= 2 + (((222/2 - 2)^2) + (2 \times 22^2)) \\
&:= 3^3 + ((3^{3 \times 3}) - (((3 \times (3 + 3)) + 3/3)^3)) \\
&:= 4 + ((44 \times (((4 \times (4 + 4)) + 4^4) + 4)) - 4/4) \\
&:= 5/5 + (5 \times (5^5 - 555)) \\
&:= ((66 - 6/6) + 6) \times ((6 \times (6 \times 6 - 6)) + 6/6) \\
&:= ((77 + 7) \times ((77 - 7/7) + 77)) - 7/7 \\
&:= 8 + ((8/8 + 8) \times (((88 \times (8 + 8)) + (88/8)) + 8)) \\
&:= ((9 \times 9) - (9/9 + 9)) \times ((9/9 + 99) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12852 &:= ((11^{1+1}) - (1 + 1)) \times (111 - (1 + 1 + 1)) \\
&:= 2 + ((22 \times (((22 + 2)^2) + (2 \times (2 + 2)))) + 2) \\
&:= 3 \times ((3 \times 3 + 33) \times (3 \times 33 + 3)) \\
&:= 4 + (44 \times (((4 \times (4 + 4)) + 4^4) + 4)) \\
&:= ((5 + 5)/5) + (5 \times (5^5 - 555)) \\
&:= 6 \times (6 \times (((66 \times 66)/(6 + 6)) - 6)) \\
&:= (77 + 7) \times ((77 - 7/7) + 77) \\
&:= (8/8 + 8) \times (((88 + 8)/8) + (88 \times (8 + 8))) + 8 \\
&:= (99 + 9) \times (((99/9) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12853 &:= 1 + (((11^{1+1}) - (1 + 1)) \times (111 - (1 + 1 + 1))) \\
&:= (2 \times (22^2 + 2)) + ((222/2 - 2)^2) \\
&:= 3/3 + (3 \times ((3 \times 3 + 33) \times (3 \times 33 + 3))) \\
&:= 4 + (((44/4)^4) - (4 \times (444 + 4))) \\
&:= 5 + ((5 \times (5^5 - 555)) - ((5 + 5)/5)) \\
&:= ((6 - 6/6)^6) - (66 \times (6 \times 6 + 6)) \\
&:= 7/7 + ((77 + 7) \times ((77 - 7/7) + 77)) \\
&:= (8 \times ((8 \times (8 \times (8 + 8 + 8)) + 8)) + 8) - (88/8) \\
&:= 9/9 + ((99 + 9) \times (((99/9) + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12854 &:= 1 + (1 + (((11^{1+1}) - (1 + 1)) \times (111 - (1 + 1 + 1)))) \\
&:= 22 + ((2^{2+2}) \times ((2 \times ((22 - 2)^2) + 2)) \\
&:= 3 + (((3^{3 \times 3}) - (((3 \times (3 + 3)) + 3/3)^3)) + 3^3) \\
&:= 4 + ((4/4 + 4^4) \times (((4 + 4)/4) + 44) + 4) \\
&:= 5 + ((5 \times (5^5 - 555)) - 5/5) \\
&:= 6/6 + (((6 - 6/6)^6) - (66 \times (6 \times 6 + 6))) \\
&:= ((7 + 7)/7) + ((77 + 7) \times ((77 - 7/7) + 77)) \\
&:= 888 + ((88 \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8)) \\
&:= ((9 + 9)/9) + ((99 + 9) \times (((99/9) + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12855 &:= (11 \times (11 \times 111)) - (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= (2 \times 2 \times 22) + (((222/2) + 2)^2) - 2 \\
&:= 3 + (3 \times ((3 \times 3 + 33) \times (3 \times 33 + 3))) \\
&:= (4/4 + 4) \times (((4^4 \times (44 - 4)) + 44)/4) \\
&:= 5 + (5 \times (5^5 - 555)) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - 6)))) - (666/6)) \\
&:= 7 + ((7/7 + 7) \times ((77 \times (7 + 7 + 7)) - (77/7))) \\
&:= 888 + ((88 \times (8 \times (8 + 8) + 8)) - 8/8) \\
&:= 999 + (((99 + 9)/9) \times (999 - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12856 &:= ((1 + 1 + 11) \times (((11 - 1)^{1+1+1}) - 11)) - 1 \\
&:= ((22 + 2)^{2/2+2}) - (2 \times 22^2) \\
&:= 3 + ((3 \times ((3 \times 3 + 33) \times (3 \times 33 + 3))) + 3/3) \\
&:= 4 + ((44 \times (((4 \times (4 + 4)) + 4^4) + 4)) + 4) \\
&:= 5 + ((5 \times (5^5 - 555)) + 5/5) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - 6)))) + ((6 - 666)/6)) \\
&:= (((7 + 7)/7)^{7+7}) + ((77 + 7) \times (7 - (7 \times 7))) \\
&:= 888 + (88 \times (8 \times (8 + 8) + 8)) \\
&:= 9999/9 + (9 \times (((9 + 9) \times ((9 \times 9) - 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12857 &:= (1 + 1 + 11) \times (((11 - 1)^{1+1+1}) - 11) \\
&:= (2 \times 2 \times 22) + (((222/2) + 2)^2) \\
&:= 33 + (((3^{3 \times 3}) - (((3 \times (3 + 3)) + 3/3)^3)) \\
&:= (44 - 4/4) \times ((44 - 4/4) + 4^4) \\
&:= 5 + ((5 \times (5^5 - 555)) + ((5 + 5)/5)) \\
&:= (6 \times ((6 \times (6 \times (66 - 6))) - 6)) - (66 + 6/6) \\
&:= ((77 + 7) \times (77 + 77)) - (((7 + 7)/7) + 77) \\
&:= 8/8 + ((88 \times (8 \times (8 + 8) + 8)) + 888) \\
&:= ((99 + 9 + 9)/9) \times (999 - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12858 &:= 1 + ((1 + 1 + 11) \times (((11 - 1)^{1+1+1}) - 11)) \\
&:= 2 + (((22 + 2)^{2/2+2}) - (2 \times 22^2)) \\
&:= 33 + (((3^3 - 3)^3) - (3 \times 333)) \\
&:= (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 4)) - 4^4 \\
&:= 5 + (((5 \times (5^5 - 555)) - ((5 + 5)/5)) + 5) \\
&:= (6 \times ((6 \times (6 \times (66 - 6))) - 6)) - 66 \\
&:= ((77 + 7) \times (77 + 77)) - (7/7 + 77) \\
&:= 8 + (((8/8 + 8 + 8) + 8) \times ((8 \times 8 \times 8) + ((8 + 8)/8))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12859 &:= 11 \times (1 + (((1 + 11)^{1+1}) + ((1 + 1)^{11-1}))) \\
&:= 2 + (((222/2) + 2)^2) + (2 \times 2 \times 22) \\
&:= (33/3) \times (((33/3)^3) - ((3 + 3) \times 3^3)) \\
&:= (44/4) + (44 \times (((4 \times (4 + 4)) + 4^4) + 4)) \\
&:= 5 + (((5 \times (5^5 - 555)) - 5/5) + 5) \\
&:= 6 + (((6 - 6/6)^6) - (66 \times (6 \times 6 + 6))) \\
&:= 77 \times (((777/7) + (7 \times 7)) + 7) \\
&:= 88 + ((8/8 + 8) \times ((88 \times (8 + 8)) + (88/8))) \\
&:= (99/9) \times (((99 \times 99) - 9)/9) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12860 &:= 1 + (11 \times (1 + (((1 + 11)^{1+1}) + ((1 + 1)^{11-1})))) \\
&:= 2 \times (((2^{2+2}) \times (((22 - 2)^2) + 2)) - 2) \\
&:= 3 + (((3^{3 \times 3}) - (((3 \times (3 + 3)) + 3/3)^3)) + 33) \\
&:= ((44 + 4) \times ((4^4 + 4 + 4) + 4)) - 4 \\
&:= 5 + ((5 \times (5^5 - 555)) + 5) \\
&:= (6 \times ((6 \times (6 \times (66 - 6))) - 6)) - (((6 + 6)/6)^6) \\
&:= (7 \times 77) + ((777/7)^{(7+7)/7}) \\
&:= (8 \times ((8 \times (8 \times (8 + 8) + 8)) + 8)) - (8 \times 8/(8 + 8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12861 &:= (11 - 1 - 1) \times (((1 + 1 + 11) \times (111 - 1)) - 1) \\
&:= (2 \times (2 \times 22 + 2)) + (((222/2) + 2)^2) \\
&:= 3 \times (((3 \times 3 + 33) \times (3 \times 33 + 3)) + 3) \\
&:= ((44/4)^4) - ((4 \times 444) + 4) \\
&:= (55/5) + (5 \times (5^5 - 555)) \\
&:= 6 + (((6 \times (6 \times (6 \times (66 - 6)))) - (666/6)) + 6) \\
&:= 7/7 + (((777/7)^{(7+7)/7}) + (7 \times 77)) \\
&:= 8 + ((8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) - 88/8) \\
&:= ((9 + 9) \times (9 \times (9 \times 9)) - 9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12862 &:= (111 - (1 + 1)) \times ((11^{1+1}) - (1 + 1 + 1)) \\
&:= (2 \times ((2^{2+2}) \times (((22 - 2)^2) + 2))) - 2 \\
&:= 3 + ((33/3) \times (((33/3)^3) - ((3 + 3) \times 3^3))) \\
&:= 4/4 + (((44/4)^4) - ((4 \times 444) + 4)) \\
&:= ((55 + 5)/5) + (5 \times (5^5 - 555)) \\
&:= (66 - (6/6 + 6)) \times ((6 \times 6 \times 6) + ((6 + 6)/6)) \\
&:= ((777/7) + 7) \times ((77/7) + (7 \times (7 + 7))) \\
&:= (8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) - ((8 + 8)/8) \\
&:= 9/9 + (((9 + 9) \times (9 \times (9 \times 9)) - 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12863 &:= 1 + ((111 - (1 + 1)) \times ((11^{1+1}) - (1 + 1 + 1))) \\
&:= (2 \times ((2^{2+2}) \times (((22 - 2)^2) + 2))) - 2/2 \\
&:= (3^3 + 3) + (((3^3 - (3/3 + 3))^3) - 33) \\
&:= ((44 + 4) \times ((4^4 + 4 + 4) + 4)) - 4/4 \\
&:= ((55 + 5 + 5)/5) + (5 \times (5^5 - 555)) \\
&:= ((6/6 + 6 + 6) + 6) \times (666 + (66/6)) \\
&:= 7 + (((77 + 7) \times (7 - (7 \times 7))) + (((7 + 7)/7)^{7+7})) \\
&:= (8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) - 8/8 \\
&:= ((9 + 9)/9) + (((9 + 9) \times (9 \times (9 \times 9)) - 9) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12864 &:= ((1 + (1 + (1 + 111)))^{1+1}) - (11 \times (1 + 11)) \\
&:= 2 \times ((2^{2+2}) \times (((22 - 2)^2) + 2)) \\
&:= ((3/3 + 3)^3) \times ((33 \times (3 + 3)) + 3) \\
&:= (44 + 4) \times ((4^4 + 4 + 4) + 4) \\
&:= (5 \times ((5^5 - 555) + 5)) - (55/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) - 6)) - 66) \\
&:= ((77 + 7)/7) \times (((77 \times (7 + 7)) - 7) + 7/7) \\
&:= 8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8) \\
&:= (9 - 9/9) \times (9 \times (99 + (9 \times 9))) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12865 &:= (111 \times (1 + (1 + (1 + (1 + (1 + 111)))))) - 11 \\
&:= 2/2 + (2 \times ((2^{2+2}) \times (((22 - 2)^2) + 2))) \\
&:= 3/3 + (((3/3 + 3)^3) \times ((33 \times (3 + 3)) + 3)) \\
&:= ((44/4)^4) - (4 \times 444) \\
&:= 5 + (((5 \times (5^5 - 555)) + 5) + 5) \\
&:= 6 + (((6 - 6/6)^6) - (66 \times (6 \times 6 + 6))) + 6) \\
&:= ((77 - 7/7) + 7) \times (7/7 + 77 + 77) \\
&:= 8/8 + (8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) \\
&:= (((9 + 9)/9) + (9 \times 9)) \times (((9 + 9)/9) - 9) + (9 \times (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12866 &:= 1 + (((111 \times (1 + (1 + (1 + (1 + (1 + 111))))))) - 11) \\
&:= 2 + (2 \times ((2^{2+2}) \times (((22 - 2)^2) + 2))) \\
&:= (((33 + 3) + 3) \times (333 - 3)) - (3/3 + 3) \\
&:= 4/4 + (((44/4)^4) - (4 \times 444)) \\
&:= 5 + ((5 \times (5^5 - 555)) + (55/5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) - 6)) - (((6 + 6)/6)^6)) \\
&:= 7 + (77 \times (((777/7) + (7 \times 7)) + 7)) \\
&:= ((8 + 8)/8) + (8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12867 &:= 111 + (((1 + (1 + 111))^{1+1}) - (1 + 1 + 11)) \\
&:= 2 + ((2 \times ((2^{2+2}) \times (((22 - 2)^2) + 2))) + 2/2) \\
&:= (((33 + 3) + 3) \times (333 - 3)) - 3 \\
&:= 4 + (((44 + 4) \times ((4^4 + 4 + 4) + 4)) - 4/4) \\
&:= 5 + ((5 \times (5^5 - 555)) + ((55 + 5)/5)) \\
&:= (6 \times 6/(6 + 6)) \times ((66 \times 66) - (66 + 6/6)) \\
&:= 7 + (((777/7)^{(7+7)/7}) + (7 \times 77)) \\
&:= 888 + ((88 \times (8 \times (8 + 8) + 8)) + (88/8)) \\
&:= ((999/9) \times ((99 - 9/9) + 9) + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12868 &:= 111 + (((1 + (1 + 111))^{1+1}) - (1 + 11)) \\
&:= 2 \times (((2^{2+2}) \times (((22 - 2)^2) + 2)) + 2) \\
&:= 3/3 + (((33 + 3) + 3) \times (333 - 3)) - 3 \\
&:= 4 + ((44 + 4) \times ((4^4 + 4 + 4) + 4)) \\
&:= (5 \times ((5^5 - 555) + 5)) - (((5 + 5)/5) + 5) \\
&:= 6 + ((66 - (6/6 + 6)) \times ((6 \times 6 \times 6) + ((6 + 6)/6))) \\
&:= 7 + (((777/7)^{(7+7)/7}) + (7 \times 77)) + 7/7 \\
&:= (8 \times (88 + 8)) + (((888 - 8)/8)^{(8+8)/8}) \\
&:= 99 + (((999 + 9) + 9)/9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12869 &:= 111 + (((1 + (1 + 111))^{1+1}) - 11) \\
&:= 2222 + ((22^{2/2+2}) - 2/2) \\
&:= (((33 + 3) + 3) \times (333 - 3)) - 3/3 \\
&:= 4 + (((44/4)^4) - (4 \times 444)) \\
&:= (5 \times ((5^5 - 555) + 5)) - (5/5 + 5) \\
&:= (66 \times (((6 \times 66) - 6)/(6 + 6)/6)) - 6/6 \\
&:= 7 + (((777/7) + 7) \times ((77/7) + (7 \times (7 + 7)))) \\
&:= (8/8 + 8 + 8) \times ((8 \times (88 + 8)) - 88/8) \\
&:= 9 + (((9 + 9) \times (9 \times (9 \times 9)) - 9) - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12870 &:= (11 - 1 - 1) \times ((1 + 1 + 11) \times (111 - 1)) \\
&:= 2222 + (22^{2/2+2}) \\
&:= ((33 + 3) + 3) \times (333 - 3) \\
&:= 4 + (((44/4)^4) - (4 \times 444)) + 4/4 \\
&:= (5 \times ((5^5 - 555) + 5)) - 5 \\
&:= 66 \times (((6 \times 66) - 6)/(6 + 6)/6) \\
&:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) - (7 \times 7) + 7 \\
&:= (8/8 + (8 \times 8)) \times (((888 - 8)/8) + 88) \\
&:= 9 + (((9 + 9) \times (9 \times (9 \times 9)) - 9) - 99)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 12871 &:= 1 + ((11 - 1 - 1) \times ((1 + 1 + 11) \times (111 - 1))) \\ &:= 2/2 + ((22^{2/2+2}) + 2222) \\ &:= 3/3 + (((33 + 3) + 3) \times (333 - 3)) \\ &:= (4 \times (444 - 4)) + (44444/4) \\ &:= 5/5 + ((5 \times ((5^5 - 555) + 5)) - 5) \\ &:= 6/6 + (66 \times (((6 \times 66) - 6)/(6 + 6)/6)) \\ &:= 7 + (((77 + 7)/7) \times (((77 \times (7 + 7)) - 7) + 7/7)) \\ &:= 8 + ((8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) - 8/8) \\ &:= ((9/9 - (9 \times 9)) \times (9/9 - (9 \times (9 + 9)))) - 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12872 &:= 1 + (1 + ((11 - 1 - 1) \times ((1 + 1 + 11) \times (111 - 1)))) \\ &:= 2 + ((22^{2/2+2}) + 2222) \\ &:= 3 + (((33 + 3) + 3) \times (333 - 3)) - 3/3 \\ &:= 4 + (((44 + 4) \times ((4^4 + 4 + 4) + 4)) + 4) \\ &:= ((5 + 5)/5) + ((5 \times ((5^5 - 555) + 5)) - 5) \\ &:= ((6 + 6)/6) + (66 \times (((6 \times 66) - 6)/(6 + 6)/6)) \\ &:= (7/7 + 7) \times ((77 \times (7 + 7 + 7)) - (7/7 + 7)) \\ &:= 8 + (8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) \\ &:= (99/9) + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 99) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12873 &:= 11 + ((111 - (1 + 1)) \times ((11^{1+1}) - (1 + 1 + 1))) \\ &:= 2 + (((22^{2/2+2}) + 2222) + 2/2) \\ &:= 3 + (((33 + 3) + 3) \times (333 - 3)) \\ &:= 4 + (((44/4)^4) - (4 \times 444)) + 4 \\ &:= (5 \times ((5^5 - 555) + 5)) - ((5 + 5)/5) \\ &:= (6 \times 6/(6 + 6)) \times ((66 \times (66 - 6/6)) + 6/6) \\ &:= 7777 + (7 \times (777 - (7 \times 7))) \\ &:= 8 + ((8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) + 8/8) \\ &:= ((99 + 9)/9) + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 99) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12874 &:= ((1 + 111)^{1+1}) + ((1 + 1 + 1) \times (111 - 1)) \\ &:= (222 \times (((2 + 2 + 2)^2) + 22)) - 2 \\ &:= 3 + (((33 + 3) + 3) \times (333 - 3)) + 3/3 \\ &:= (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4)) - 4^4 \\ &:= (5 \times ((5^5 - 555) + 5)) - 5/5 \\ &:= ((6 \times 6 \times 6 + 6) \times (((6 + 6)/6)^6) - 6) - ((6 + 6)/6) \\ &:= 7 + (((777/7)^{(7+7)/7}) + (7 \times 77)) + 7 \\ &:= 8 + ((8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) + ((8 + 8)/8)) \\ &:= (9/9 + (9 \times 9)) \times (((9 - 99)/(9 + 9)) + (9 \times (9 + 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12875 &:= ((1 + (1 + (1 + 111)))^{1+1}) - (11^{1+1}) \\ &:= ((22 + 2)^2) + (((222/2)^2) - 22) \\ &:= ((3/3 - 3) + 3^3) \times (((3 - 3/3)^{3 \times 3}) + 3) \\ &:= (44/4) + ((44 + 4) \times ((4^4 + 4 + 4) + 4)) \\ &:= 5 \times ((5^5 - 555) + 5) \\ &:= ((6 \times 6 \times 6 + 6) \times (((6 + 6)/6)^6) - 6) - 6/6 \\ &:= ((7 + 7) \times (77 + 7 \times 7)) + (77777/7) \\ &:= 88/8 + (8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) \\ &:= 9 + ((9 \times (9 \times (9 \times (9 + 9)))) - (((9 + 9)/9)^{9-9/9})) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12876 &:= 111 \times (1 + (1 + (1 + (1 + (1 + 111)))))) \\ &:= 222 \times (((2 + 2 + 2)^2) + 22) \\ &:= (3 \times (3^3 \times (((3 + 3) \times 3^3) - 3))) - 3 \\ &:= 444 \times ((4/4 - 4 \times 4) + 44) \\ &:= 5/5 + (5 \times ((5^5 - 555) + 5)) \\ &:= (6 \times 6 \times 6 + 6) \times (((6 + 6)/6)^6) - 6 \\ &:= (777/7) \times (((77/7) + (7 \times (7 + 7))) + 7) \\ &:= (8/8 - 88) \times (888/(((8 + 8)/8) - 8)) \\ &:= (999/9) \times (((99 - 9/9) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12877 &:= 1 + (111 \times (1 + (1 + (1 + (1 + (1 + 111)))))) \\ &:= ((22/2)^{2+2}) - ((2 \times 22 - 2)^2) \\ &:= 3/3 + ((3 \times (3^3 \times (((3 + 3) \times 3^3) - 3))) - 3) \\ &:= ((44/4)^4) + ((4 \times (4 - 444)) - 4) \\ &:= ((5 + 5)/5) + (5 \times ((5^5 - 555) + 5)) \\ &:= 6/6 + ((6 \times 6 \times 6 + 6) \times (((6 + 6)/6)^6) - 6) \\ &:= 777 + (((777 - 7)/7)^{(7+7)/7}) \\ &:= 8 + ((8/8 + 8 + 8) \times ((8 \times (88 + 8)) - 88/8)) \\ &:= ((9 \times 9) - ((9 + 9)/9)) \times ((9 \times (9 + 9)) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12878 &:= 111 + (((1 + (1 + 111))^{1+1}) - (1 + 1)) \\ &:= 2 + (222 \times (((2 + 2 + 2)^2) + 22)) \\ &:= (3 \times (3^3 \times (((3 + 3) \times 3^3) - 3))) - 3/3 \\ &:= 4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4)) - 4^4 \\ &:= 5 + ((5 \times ((5^5 - 555) + 5)) - ((5 + 5)/5)) \\ &:= ((6 + 6)/6) + ((6 \times 6 \times 6 + 6) \times (((6 + 6)/6)^6) - 6) \\ &:= ((7/7 + 7) \times ((77 \times (7 + 7 + 7)) - 7)) - ((7 + 7)/7) \\ &:= 8 + ((8/8 + (8 \times 8)) \times (((888 - 8)/8) + 88)) \\ &:= ((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - (9/9 + (9 \times 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12879 &:= 111 + (((1 + (1 + 111))^{1+1}) - 1) \\ &:= 2 + (((22/2)^{2+2}) - ((2 \times 22 - 2)^2)) \\ &:= 3 \times (3^3 \times (((3 + 3) \times 3^3) - 3)) \\ &:= ((4 - 4/4)^4) \times ((4 \times (44 - 4)) - 4/4) \\ &:= 5 + ((5 \times ((5^5 - 555) + 5)) - 5/5) \\ &:= (6^{6-6/6}) + ((6/6 + 6) \times ((6 \times 6/(6 + 6))^6)) \\ &:= ((7/7 + 7) \times ((77 \times (7 + 7 + 7)) - 7)) - 7/7 \\ &:= 8 + (((8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) - 8/8) + 8) \\ &:= 9 \times ((9 \times (9 \times (9 + 9))) - (9 + 9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 12880 &:= 111 + ((1 + (1 + 111))^{1+1}) \\ &:= 2 \times ((2 - 22) \times (2 - ((2^{2+2}) + 2)^2)) \\ &:= 3/3 + (3 \times (3^3 \times (((3 + 3) \times 3^3) - 3))) \\ &:= (4 \times 4 + 4) \times ((4 \times (4 \times (44 - 4))) + 4) \\ &:= 5 + (5 \times ((5^5 - 555) + 5)) \\ &:= ((6 \times 6) - 6/6) \times (((6 \times (66 - 6)) + ((6 + 6)/6)) + 6) \\ &:= (7/7 + 7) \times ((77 \times (7 + 7 + 7)) - 7) \\ &:= 8 + ((8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) + 8) \\ &:= (9/9 - (9 \times 9)) \times (9/9 - (9 \times (9 + 9))) \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12881 &:= 1 + (111 + ((1 + (1 + 111))^{1+1})) \\
 &:= ((222 + 2)/2) + (((222/2) + 2)^2) \\
 &:= 3 + ((3 \times (3^3 \times ((3 + 3) \times 3^3) - 3)) - 3/3) \\
 &:= ((44/4)^4) + (4 \times (4 - 444)) \\
 &:= 5 + ((5 \times ((5^5 - 555) + 5)) + 5/5) \\
 &:= (66/6) \times ((6666/6 - 6) + 66) \\
 &:= 7/7 + ((7/7 + 7) \times ((77 \times (7 + 7 + 7)) - 7)) \\
 &:= 8 + (((8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) + 8/8) + 8) \\
 &:= 9/9 + ((9/9 - (9 \times 9)) \times (9/9 - (9 \times (9 + 9))))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12886 &:= 1 + (((1 + (1 + (1 + 111)))^{1+1}) - 111) \\
 &:= 22 + (2 \times ((2^{2+2}) \times (((22 - 2)^2) + 2))) \\
 &:= 3 + (((3 \times (3^3 \times ((3 + 3) \times 3^3) - 3)) + 3/3) + 3) \\
 &:= 4 + (((4 \times (4 - 444)) + ((44/4)^4)) + 4/4) \\
 &:= (55/5) + (5 \times ((5^5 - 555) + 5)) \\
 &:= (6 \times ((6 \times (6 \times (66 - 6))) - (6 + 6))) - ((6 + 6)/6) \\
 &:= ((77 + 7) \times (77 + 77)) - (7/7 + (7 \times 7)) \\
 &:= 88 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - ((8 + 8)/8)) \\
 &:= 9 + (((9 \times 9) - ((9 + 9)/9)) \times ((9 \times (9 + 9)) + 9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12882 &:= (1 + (1 + 111)) \times (1 + (1 + (1 + 111))) \\
 &:= 2 + (((222/2) + 2)^2) + 222/2 \\
 &:= 3 + (3 \times (3^3 \times ((3 + 3) \times 3^3) - 3)) \\
 &:= 4/4 + ((4 \times (4 - 444)) + ((44/4)^4)) \\
 &:= (((5 + 5)/5)^5) + (5 \times (5^5 - 555)) \\
 &:= (6 \times ((6 \times (6 \times (66 - 6))) - (6 + 6))) - 6 \\
 &:= ((7 + 7)/7) + ((7/7 + 7) \times ((77 \times (7 + 7 + 7)) - 7)) \\
 &:= ((8 + 8)/8) \times (((88/8) - 8)^8) - (8 \times (8 + 8)) + 8 \\
 &:= ((9 + 9)/9) + ((9/9 - (9 \times 9)) \times (9/9 - (9 \times (9 + 9))))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12887 &:= 1 + (1 + (((1 + (1 + (1 + 111)))^{1+1}) - 111)) \\
 &:= 2 + (((222 + 2)/2) + 2)^2 - (222/2) \\
 &:= (3^{3+3}) + (((3^3 - (3/3 + 3))^3) - 3 \times 3) \\
 &:= (4 \times 444) + (44444/4) \\
 &:= 5 + ((5 \times (5^5 - 555)) + (((5 + 5)/5)^5)) \\
 &:= (6 \times ((6 \times (6 \times (66 - 6))) - (6 + 6))) - 6/6 \\
 &:= 7 \times ((7 + 7) \times (((7 + 7)/7)^7) + (7 \times 7)) \\
 &:= 88 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 8/8) \\
 &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - (9/9 + (9 \times 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12883 &:= 1 + ((1 + (1 + 111)) \times (1 + (1 + (1 + 111)))) \\
 &:= 2 + (((222/2) + 2)^2) + ((222 + 2)/2) \\
 &:= 3 + ((3 \times (3^3 \times ((3 + 3) \times 3^3) - 3)) + 3/3) \\
 &:= 4 + (((4 - 4/4)^4) \times ((4 \times (44 - 4)) - 4/4)) \\
 &:= 5 + (((5 \times ((5^5 - 555) + 5)) - ((5 + 5)/5)) + 5) \\
 &:= 6/6 + ((6 \times ((6 \times (6 \times (66 - 6))) - (6 + 6))) - 6) \\
 &:= 7 + ((777/7) \times (((77/7) + (7 \times (7 + 7))) + 7)) \\
 &:= 8 + ((8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) + (88/8)) \\
 &:= ((99 + 9 + 9)/9) \times ((999 - 9) + 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12888 &:= (1 + 11) \times (1111 - (111/(1 + 1 + 1))) \\
 &:= 2 \times (((2 \times (2 \times (22 - 2)))^2) + 2 \times 22) \\
 &:= 3 \times ((3^3 \times ((3 + 3) \times 3^3) - 3) + 3) \\
 &:= ((4 - 4/4) \times 4444) - 444 \\
 &:= ((55 + 5)/5) \times (((5 - 5/5)^5) - 5) + 55 \\
 &:= 6 \times ((6 \times (6 \times (66 - 6))) - (6 + 6)) \\
 &:= 7/7 + (7 \times (((7 + 7) \times (((7 + 7)/7)^7) + (7 \times 7))) \\
 &:= 88 + (8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) \\
 &:= 9 + (9 \times ((9 \times (9 \times (9 + 9))) - (9 + 9 + 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12884 &:= ((1 + (1 + (1 + 111)))^{1+1}) - (1 + 111) \\
 &:= 2 \times (((2 - 22) \times (2 - (((2^{2+2}) + 2)^2))) + 2) \\
 &:= 3 + (((3 \times (3^3 \times ((3 + 3) \times 3^3) - 3)) - 3/3) + 3) \\
 &:= 4 + ((4 \times 4 + 4) \times ((4 \times (4 \times (44 - 4))) + 4)) \\
 &:= 5 + (((5 \times ((5^5 - 555) + 5)) - 5/5) + 5) \\
 &:= ((6 + 6)/6) + ((6 \times ((6 \times (6 \times (66 - 6))) - (6 + 6))) - 6) \\
 &:= 7 + (((777 - 7)/7)^{(7+7)/7}) + 777 \\
 &:= 8 + ((8/8 - 88) \times (888/(((8 + 8)/8) - 8))) \\
 &:= ((9 + 9) \times 99) + ((99999/9) - 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12889 &:= (11^{1+1}) + (((1 + (1 + 111)))^{1+1}) - 1 \\
 &:= 2/2 + (2 \times (((2 \times (2 \times (22 - 2)))^2) + 2 \times 22)) \\
 &:= 3/3 + (3 \times ((3^3 \times ((3 + 3) \times 3^3) - 3) + 3)) \\
 &:= 4 + (((4 \times (4 - 444)) + ((44/4)^4)) + 4) \\
 &:= (5 \times (5 \times (555 + 5))) - (5555/5) \\
 &:= 6/6 + (6 \times ((6 \times (6 \times (66 - 6))) - (6 + 6))) \\
 &:= ((7 + 7)/7) + (7 \times (((7 + 7) \times (((7 + 7)/7)^7) + (7 \times 7))) \\
 &:= 8/8 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) + 88) \\
 &:= 9 + ((9/9 - (9 \times 9)) \times (9/9 - (9 \times (9 + 9))))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12885 &:= ((1 + (1 + (1 + 111)))^{1+1}) - 111 \\
 &:= (((222 + 2)/2) + 2)^2 - (222/2) \\
 &:= 3 + ((3 \times (3^3 \times ((3 + 3) \times 3^3) - 3)) + 3) \\
 &:= 4 + ((4 \times (4 - 444)) + ((44/4)^4)) \\
 &:= 5 + ((5 \times ((5^5 - 555) + 5)) + 5) \\
 &:= (6 \times ((6 \times (6 \times (66 - 6))) + 6)) - (666/6) \\
 &:= ((7/7 + 7) + 7) \times (((77 \times 77) + 77) + 7)/7 \\
 &:= 8 + (((8/8 + 8 + 8) \times ((8 \times (88 + 8)) - 88/8)) + 8) \\
 &:= 9 + ((999/9) \times (((99 - 9/9) + 9) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12890 &:= (11^{1+1}) + ((1 + (1 + 111)))^{1+1} \\
 &:= ((22/2)^2) + (((222/2) + 2)^2) \\
 &:= (3^{3+3}) + (((3^3 - (3/3 + 3))^3) - (3 + 3)) \\
 &:= ((4 - 44)/4) + ((44 - 4/4) \times (44 + 4^4)) \\
 &:= 5 + (((5 \times ((5^5 - 555) + 5)) + 5) + 5) \\
 &:= ((6 + 6)/6) + (6 \times ((6 \times (6 \times (66 - 6))) - (6 + 6))) \\
 &:= ((77 - 7)/7) \times (((7 - 7/7)^{77/7-7}) - 7) \\
 &:= 88 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) + ((8 + 8)/8)) \\
 &:= (99/9) + (9 \times ((9 \times (9 \times (9 + 9))) - (9 + 9 + 9)))
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12891 &:= 1 + ((11^{1+1}) + ((1 + (1 + 111))^{1+1})) \\
&:= 2/2 + (((222/2) + 2)^2) + ((22/2)^2) \\
&:= 3 + (3 \times ((3^3 \times ((3+3) \times 3^3) - 3) + 3)) \\
&:= 4 + ((44444/4) + (4 \times 444)) \\
&:= ((5/5 + 5)^5) + ((5 \times ((5 - 5/5)^5) - 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) + 6)) - (666/6)) \\
&:= (77/7) + ((7/7 + 7) \times ((77 \times (7 + 7 + 7)) - 7)) \\
&:= 8 + (((8 \times ((8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8)) + (88/8)) + 8) \\
&:= ((9/9 + 99) \times (((999/9) + 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12892 &:= 1 + (1 + ((11^{1+1}) + ((1 + (1 + 111))^{1+1}))) \\
&:= 22 \times (((22 + 2)^2) + (2 \times (2 + 2))) + 2) \\
&:= 3 + ((3 \times ((3^3 \times ((3+3) \times 3^3) - 3) + 3)) + 3/3) \\
&:= (((44 + 4) + 4) \times (4^4 - (4 + 4))) - 4 \\
&:= 5 + (((5 \times (5^5 - 555)) + ((5 + 5)/5^5)) + 5) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - (((6 + 6)/6) + 66) \\
&:= 77/7 \times (((7 + 7) \times (77 + 7)) - (77/7) + 7) \\
&:= (88 \times (88 + 8)) + (8888/(8 + 8)/8) \\
&:= 9 + (((99 + 9 + 9)/9) \times ((999 - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12893 &:= 11 + ((1 + (1 + 111)) \times (1 + (1 + (1 + 111)))) \\
&:= 222 + ((22 \times ((22 + 2)^2)) - 2/2) \\
&:= (3^{3+3}) + (((3^3 - (3/3 + 3))^3) - 3) \\
&:= 44 + (((44/4)^4) - (4 \times (444 + 4))) \\
&:= 5 + (((55 + 5)/5) \times (((5 - 5/5)^5) - 5) + 55) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - (66 + 6/6) \\
&:= 7 + (((77 + 7) \times (77 + 77)) - (7/7 + (7 \times 7))) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) - ((88/8) + 88) \\
&:= ((9 + 9) \times 99) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12894 &:= 1 + (11 + ((1 + (1 + 111)) \times (1 + (1 + (1 + 111)))))) \\
&:= 222 + (22 \times ((22 + 2)^2)) \\
&:= 3 + ((3 \times ((3^3 \times ((3+3) \times 3^3) - 3) + 3)) + 3) \\
&:= (((44 + 4) + 4) \times (4^4 - (4 + 4))) - ((4 + 4)/4) \\
&:= ((55/5 + 5) + 5) \times ((5^5 - 55)/5) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - 66 \\
&:= 7 + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + (7 \times 7))) \\
&:= ((8 + 8)/8) \times ((88 \times ((8 \times 8) + 8)) + (888/8)) \\
&:= 9 + (((999/9) \times (((99 - 9/9) + 9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12895 &:= 11 + (((1 + (1 + (1 + 111)))^{1+1}) - (1 + 111)) \\
&:= ((22 + 2)^2) + (((222/2)^2) - 2) \\
&:= (3^{3+3}) + (((3^3 - (3/3 + 3))^3) - 3/3) \\
&:= (((44 + 4) + 4) \times (4^4 - (4 + 4))) - 4/4 \\
&:= (5 \times (((5^5 - 555) + 5) + 5)) - 5 \\
&:= 6/6 + (((6 \times (6 \times (6 \times (66 - 6)))) - 66) \\
&:= 7 + ((7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + (7 \times 7))) + 7/7) \\
&:= 8 + (((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) - 8/8) + 88) \\
&:= 9 + (((9 \times 9) - ((9 + 9)/9)) \times ((9 \times (9 + 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12896 &:= 11 + (((1 + (1 + (1 + 111)))^{1+1}) - 111) \\
&:= 2 + ((22 \times ((22 + 2)^2)) + 222) \\
&:= (3^{3+3}) + ((3^3 - (3/3 + 3))^3) \\
&:= ((44 + 4) + 4) \times (4^4 - (4 + 4)) \\
&:= ((5/5 + 5)^5) + (5 \times ((5 - 5/5)^5)) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - (((6 + 6)/6)^6) \\
&:= (7/7 + 7) \times (((77 \times (7 + 7 + 7)) - 7) + (7 + 7)/7) \\
&:= 8 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) + 88) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12897 &:= (111^{1+1}) + (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= ((22 + 2)^2) + ((222/2)^2) \\
&:= 3 \times (((3^3 \times ((3+3) \times 3^3) - 3) + 3) + 3) \\
&:= 4/4 + (((44 + 4) + 4) \times (4^4 - (4 + 4))) \\
&:= 5/5 + ((5 \times ((5 - 5/5)^5)) + ((5/5 + 5)^5)) \\
&:= 6/6 + ((6 \times (6 \times (6 \times (66 - 6)))) - (((6 + 6)/6)^6)) \\
&:= (7 \times (((7 + 7 + 7)/7)^7) - (7 \times 7 \times 7)) - (77/7) \\
&:= (88 \times ((8 \times 8) + 8)) + (((88/8) - 8)^8) \\
&:= 99 + ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12898 &:= 1 + ((111^{1+1}) + (((1 + 1) \times (1 + 11))^{1+1})) \\
&:= 2 + (((22 \times ((22 + 2)^2)) + 222) + 2) \\
&:= (3 - 3/3) \times (((3^{3 \times 3}) - (333 + 3))/3) \\
&:= ((4 + 4)/4) + (((44 + 4) + 4) \times (4^4 - (4 + 4))) \\
&:= (5 \times (((5^5 - 555) + 5) + 5)) - ((5 + 5)/5) \\
&:= ((6 - 66) \times (6/6 - (6 \times 6 \times 6))) - ((6 + 6)/6) \\
&:= (77/7) + (7 \times (((7 + 7) \times (((7 + 7)/7)^7)) + (7 \times 7))) \\
&:= 8/8 + ((88 \times ((8 \times 8) + 8)) + (((88/8) - 8)^8)) \\
&:= 9 + (((9/9 - (9 \times 9)) \times (9/9 - (9 \times (9 + 9)))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12899 &:= 1 + (1 + ((111^{1+1}) + (((1 + 1) \times (1 + 11))^{1+1}))) \\
&:= 2 + (((222/2)^2) + (22 + 2)^2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + (3^{3+3})) \\
&:= ((44 - 4/4) \times (44 + 4^4)) - 4/4 \\
&:= (5 \times (((5^5 - 555) + 5) + 5)) - 5/5 \\
&:= ((6 - 66) \times (6/6 - (6 \times 6 \times 6))) - 6/6 \\
&:= (7 \times (7 \times (7 \times 7 \times 7 - 77))) - (((7 + 7)/7)^7) + 7) \\
&:= 88 + ((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) + (88/8)) \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9))) - (9 + 9 + 9))) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12900 &:= (1 + 1) \times (((1 + 1 + 1)^{(1+1)^{1+1+1}}) - 111) \\
&:= ((2^{2 \times (2+2)}) + 2) \times ((2 \times (22 + 2)) + 2) \\
&:= (3^3 + 33) \times (((3 + 3)^3) - 3/3) \\
&:= (44 - 4/4) \times (44 + 4^4) \\
&:= 5 \times (((5^5 - 555) + 5) + 5) \\
&:= (6 - 66) \times (6/6 - (6 \times 6 \times 6)) \\
&:= (7 - 7/7) \times (((77 \times ((7 + 7 + 7) + 7)) - 7) + 7/7) \\
&:= (8 \times (8 + 8) + 8/8) \times (((88 + 8)/8) + 88) \\
&:= (9/9 + 99) \times (((999/9) + 9) + 9)
\end{aligned}$$

- ▶ **12901** := $(11 \times (1 + 11)) + ((1 + (1 + 111))^{1+1})$
:= $2 + (((222/2)^2) + (22 + 2)^2) + 2$
:= $3/3 + ((3^3 + 33) \times (((3 + 3)^3) - 3/3))$
:= $4/4 + ((44 - 4/4) \times (44 + 4^4))$
:= $5 + ((5 \times ((5 - 5/5)^5)) + ((5/5 + 5)^5))$
:= $6/6 + ((6 - 66) \times (6/6 - (6 \times 6 \times 6)))$
:= $((77 + 7)/7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7)$
:= $(8 - 8/8) \times (((88/8) + 8) \times ((8/8 + 88) + 8))$
:= $9/9 + ((9/9 + 99) \times (((999/9) + 9) + 9))$
- ▶ **12902** := $1 + ((11 \times (1 + 11)) + ((1 + (1 + 111))^{1+1}))$
:= $2 + (((2^{2 \times (2+2)} + 2) \times ((2 \times (22 + 2)) + 2))$
:= $3 + (((3^3 - (3/3 + 3))^3) + (3^{3+3})) + 3$
:= $((4 + 4)/4) + ((44 - 4/4) \times (44 + 4^4))$
:= $((5 + 5)/5) + (5 \times ((5^5 - 555) + 5) + 5)$
:= $6 + ((6 \times (6 \times (6 \times (66 - 6)))) - ((6 + 6)/6)^6)$
:= $7/7 + (((77 + 7)/7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7))$
:= $8 + (((8 + 8)/8) \times ((88 \times ((8 \times 8) + 8)) + (888/8)))$
:= $9 + ((99999/9) + ((9 + 9) \times 99))$
- ▶ **12903** := $(1 + 11 + 11) \times ((11 + 1111)/(1 + 1))$
:= $2 + (((((222/2)^2) + (22 + 2)^2) + 2) + 2)$
:= $3 + ((3^3 + 33) \times (((3 + 3)^3) - 3/3))$
:= $4 + (((44 - 4/4) \times (44 + 4^4)) - 4/4)$
:= $55 + ((5 \times (5^5 - 555)) - ((5 + 5)/5))$
:= $(66 \times 6/(6 + 6)) \times (((6 \times 66) - 6) + 6/6)$
:= $77/7 \times (((7 + 7) \times (77 + 7)) - ((7 + 7 + 7)/7))$
:= $(8/8 + 8 + 8) \times ((8 \times (88 + 8)) - (8/8 + 8))$
:= $((9 - 9/9) + 9) \times ((9 \times (9 \times 9) - 9) + (999/9))$
- ▶ **12904** := $((1 + 1)^{11-1}) + (((111 - (1 + 1))^{1+1}) - 1)$
:= $2 \times (2 \times (2 \times ((2 \times (22 - 2))^2) + 2)) + 22$
:= $((3 - 3/3) \times (((3^{3 \times 3}) - 3)/3)) - ((3 + 3)^3)$
:= $4 + ((44 - 4/4) \times (44 + 4^4))$
:= $55 + ((5 \times (5^5 - 555)) - 5/5)$
:= $6 + (((6 - 66) \times (6/6 - (6 \times 6 \times 6))) - ((6 + 6)/6))$
:= $(7/7 + 7) \times (((77 \times (7 + 7 + 7)) - (77/7)) + 7)$
:= $(8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) - 88$
:= $(9 - 9/9) \times (((9 \times (99 + (9 \times 9))) - 9) + ((9 + 9)/9))$
- ▶ **12905** := $((1 + 1)^{11-1}) + ((111 - (1 + 1))^{1+1})$
:= $(2^{2 \times (2+2)+2}) + ((222/2 - 2)^2)$
:= $3 \times 3 + (((3^3 - (3/3 + 3))^3) + (3^{3+3}))$
:= $4 + (((44 - 4/4) \times (44 + 4^4)) + 4/4)$
:= $55 + (5 \times (5^5 - 555))$
:= $6 + (((6 - 66) \times (6/6 - (6 \times 6 \times 6))) - 6/6)$
:= $((7 + 7)/7)^{7+7} + (7 \times ((7 \times (7 - 77)) - 7))$
:= $8 + (88 \times ((8 \times 8) + 8)) + (((88/8) - 8)^8)$
:= $((9 + 9)/9)^9 + (9 \times (9 \times ((9 \times 9) - 9)))$
- ▶ **12906** := $1 + (((1 + 1)^{11-1}) + ((111 - (1 + 1))^{1+1}))$
:= $2 + (2 \times (2 \times (2 \times ((2 \times (22 - 2))^2) + 2)) + 22))$
:= $3 \times ((3 + 3) \times ((3^{3+3}) - (3 \times 3 + 3)))$
:= $4 + (((44 - 4/4) \times (44 + 4^4)) + ((4 + 4)/4))$
:= $55 + ((5 \times (5^5 - 555)) + 5/5)$
:= $6 + ((6 - 66) \times (6/6 - (6 \times 6 \times 6)))$
:= $(7 \times (7 \times (7 \times 7 \times 7 - 77))) - (((7 + 7)/7)^7)$
:= $((8 + 8)/8) \times (((88/8) - 8)^8) - (8 \times 8) - 88$
:= $(9 + 9) \times ((9 \times (9 \times 9)) - ((99 + 9)/9))$
- ▶ **12907** := $((1 + 111)^{1+1}) + (11 \times (11 \times (1 + 1 + 1)))$
:= $((((22/2)^2) + 2)^2) - 2222$
:= $3/3 + (3 \times ((3 + 3) \times ((3^{3+3}) - (3 \times 3 + 3))))$
:= $(44/4) + (((44 + 4) + 4) \times (4^4 - (4 + 4)))$
:= $55 + ((5 \times (5^5 - 555)) + ((5 + 5)/5))$
:= $6 + (((6 - 66) \times (6/6 - (6 \times 6 \times 6))) + 6/6)$
:= $(7 \times (((7 + 7 + 7)/7)^7) - (7 \times 7 \times 7)) - 7/7$
:= $8 + (((8 \times (8 \times ((8 \times (8 + 8 + 8)) + 8))) + (88/8)) + 88)$
:= $9/9 + ((9 + 9) \times ((9 \times (9 \times 9)) - ((99 + 9)/9)))$
- ▶ **12908** := $1 + (((1 + 111)^{1+1}) + (11 \times (11 \times (1 + 1 + 1))))$
:= $2 \times ((2^{2+2}) \times (((22 - 2)^2) + 2)) + 22$
:= $((3 - 3/3) \times (((3^{3 \times 3}) + 3)/3)) - ((3 + 3)^3)$
:= $4 + (((44 - 4/4) \times (44 + 4^4)) + 4)$
:= $5 + (((5 \times (5^5 - 555)) - ((5 + 5)/5)) + 55)$
:= $6 + (((6 \times (6 \times (6 \times (66 - 6)))) - ((6 + 6)/6)^6) + 6)$
:= $7 \times (((7 + 7 + 7)/7)^7) - (7 \times 7 \times 7)$
:= $8 + ((8 \times (8 + 8) + 8/8) \times (((88 + 8)/8) + 88))$
:= $99 + (((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) + (99/9))$
- ▶ **12909** := $1 + (1 + (((1 + 111)^{1+1}) + (11 \times (11 \times (1 + 1 + 1)))))$
:= $2 + (((((22/2)^2) + 2)^2) - 2222)$
:= $3 + (3 \times ((3 + 3) \times ((3^{3+3}) - (3 \times 3 + 3))))$
:= $44 + (((44/4)^4) - (4 \times 444))$
:= $5 + (((5 \times (5^5 - 555)) - 5/5) + 55)$
:= $6 + ((66 \times 6/(6 + 6)) \times (((6 \times 66) - 6) + 6/6))$
:= $7/7 + (7 \times (((7 + 7 + 7)/7)^7) - (7 \times 7 \times 7))$
:= $8888 + ((8 \times ((8 \times 8 \times 8) - 8)) - 88/8)$
:= $9 + ((9/9 + 99) \times (((999/9) + 9) + 9))$
- ▶ **12910** := $((1 + 111)^{1+1}) + ((1 + 1 + 1) \times (1 + (11^{1+1})))$
:= $(22 \times (((22 + 2)^2) + (22/2))) - (2 + 2)$
:= $((33/3)^{3+3+3}) - (((3 \times 3 + 3)^3) + 3)$
:= $44 + (((44/4)^4) - (4 \times 444)) + 4/4$
:= $5 + ((5 \times (5^5 - 555)) + 55)$
:= $((66 - 6)/6) \times (((6 \times 6 \times 6 \times 6) - 6) + 6/6)$
:= $((7 + 7)/7) + (7 \times (((7 + 7 + 7)/7)^7) - (7 \times 7 \times 7))$
:= $((8 + 8)/8) + 8 \times (((8 + 8) \times (88 - 8)) + (88/8))$
:= $(9/9 + 9) \times ((9999/9 + 99) + (9 \times 9))$

$$\begin{aligned}
\blacktriangleright 12911 &:= 111 + ((1+1) \times (((11-1-1)^{1+1}) - 1)^{1+1}) \\
&:= (222/2) + (2 \times ((2 \times (2 \times (22-2)))^2)) \\
&:= 3 + (((3-3/3) \times (((3^{3 \times 3}) + 3)/3)) - ((3+3)^3)) \\
&:= (44/4) + ((44-4/4) \times (44+4^4)) \\
&:= 5 + (((5 \times (5^5 - 555)) + 55) + 5/5) \\
&:= (66/6) + ((6-66) \times (6/6 - (6 \times 6 \times 6))) \\
&:= ((77+7) \times (77+77)) - ((77/7+7)+7) \\
&:= (888/8) + (8 \times (8 \times ((8 \times (8+8+8)) + 8))) \\
&:= 9 + (((99999/9) + ((9+9) \times 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12912 &:= ((1+11)^{1+1}) + (((1+(1+111))^{1+1}) - 1) \\
&:= (22 \times (((22+2)^2) + (22/2))) - 2 \\
&:= 33 + (3 \times (3^3 \times (((3+3) \times 3^3) - 3))) \\
&:= 4 \times (((4+4) \times ((444-44)+4)) - 4) \\
&:= 5 + (((5 \times (5^5 - 555)) + ((5+5)/5)) + 55) \\
&:= (6 \times ((6 \times (6 \times (66-6))) - 6)) - (6+6) \\
&:= ((77+7)/7) \times ((77 \times (7+7)) - ((7+7)/7)) \\
&:= (8+8) \times ((888 - (8/8+88)) + 8) \\
&:= (9 \times (9 \times (9 \times (9+9)))) - ((999/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12913 &:= ((1+11)^{1+1}) + ((1+(1+111))^{1+1}) \\
&:= ((22^2 - 2)/2) + (22 \times ((22+2)^2)) \\
&:= ((33/3)^{3/3+3}) - ((3 \times 3 + 3)^3) \\
&:= ((4/4+4)^4) + (4^4 \times (44+4)) \\
&:= (5^5/5) + (((55+5)/5) \times ((5-5/5)^5)) \\
&:= (6 \times ((6 \times (6 \times (66-6))) - 6)) - (66/6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) - (((7+7)/7)^7)) \\
&:= 8 + (((88 \times ((8 \times 8) + 8)) + (((88/8) - 8)^8)) + 8) \\
&:= ((9+9) \times (9 \times (9 \times 9)) - (99/9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12914 &:= 1 + (((1+11)^{1+1}) + ((1+(1+111))^{1+1})) \\
&:= 22 \times (((22+2)^2) + (22/2)) \\
&:= 3/3 + (((33/3)^{3/3+3}) - ((3 \times 3 + 3)^3)) \\
&:= 4/4 + ((4^4 \times (44+4)) + ((4/4+4)^4)) \\
&:= (55/5) \times (((5^5 - 5)/5) - 5) + 555 \\
&:= ((6-66)/6) + (6 \times ((6 \times (6 \times (66-6))) - 6)) \\
&:= 77/7 \times (((7+7) \times (77+7)) - ((7+7)/7)) \\
&:= (88/8) \times (((8888-8)/8) + (8 \times 8)) \\
&:= 9 + ((9 \times (9 \times (9 \times (9+9)) - 9)) + (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12915 &:= 1 + (1 + (((1+11)^{1+1}) + ((1+(1+111))^{1+1}))) \\
&:= 2/2 + (22 \times (((22+2)^2) + (22/2))) \\
&:= 3 \times (((3+3) \times ((3^{3+3}) - (3 \times 3 + 3))) + 3) \\
&:= (44+4/4) \times (((4 \times (4+4)) - 4/4) + 4^4) \\
&:= 5 + (((5 \times (5^5 - 555)) + 55) + 5) \\
&:= ((6 \times 6) - 6/6) \times (((66 \times 66)/(6+6)) + 6) \\
&:= 7 + (7 \times (((7+7+7)/7)^7) - (7 \times 7 \times 7)) \\
&:= (8/8+8) \times (((88 \times (8+8)) + (88/8) + 8) + 8) \\
&:= 9999 + (9 \times ((9+9) \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12916 &:= ((11+11)^{1+1}) + (111 \times (1+111)) \\
&:= 2 + (22 \times (((22+2)^2) + (22/2))) \\
&:= 3 + (((33/3)^{3/3+3}) - ((3 \times 3 + 3)^3)) \\
&:= 4 \times 4 + ((44-4/4) \times (44+4^4)) \\
&:= 55 + ((5 \times (5^5 - 555)) + (55/5)) \\
&:= (6 \times ((6 \times (6 \times (66-6))) - 6)) - ((6+6)/6+6) \\
&:= 7 + ((7 \times (((7+7+7)/7)^7) - (7 \times 7 \times 7)) + 7/7) \\
&:= ((8+8) \times ((888-88) + 8)) - ((88+8)/8) \\
&:= 9/9 + ((9 \times ((9+9) \times (9+9))) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12917 &:= 1 + (((11+11)^{1+1}) + (111 \times (1+111))) \\
&:= 2 + ((22 \times (((22+2)^2) + (22/2))) + 2/2) \\
&:= 3^{3 \times 3} + (((33 - (3^{3 \times 3}))/3) - ((3+3)^3)) \\
&:= 4 + ((4^4 \times (44+4)) + ((4/4+4)^4)) \\
&:= 55 + ((5 \times (5^5 - 555)) + ((55+5)/5)) \\
&:= (6 \times ((6 \times (6 \times (66-6))) - 6)) - (6/6+6) \\
&:= (((77+7)/7) \times ((77 \times (7+7)) - 7/7)) - 7 \\
&:= ((8+8) \times ((888-88) + 8)) - (88/8) \\
&:= ((9+9)/9) + ((9 \times ((9+9) \times (9+9))) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12918 &:= ((1+111)^{1+1}) + (11 \times (1 + (11 \times (1+1+1)))) \\
&:= 2 + ((22 \times (((22+2)^2) + (22/2))) + 2) \\
&:= (3+3) \times ((3 \times (3^{3+3})) - (3/3+33)) \\
&:= 4 + (((4^4 \times (44+4)) + ((4/4+4)^4)) + 4/4) \\
&:= 5 + (((55+5)/5) \times ((5-5/5)^5)) + (5^5/5) \\
&:= (6 \times ((6 \times (6 \times (66-6))) - 6)) - 6 \\
&:= ((77+7) \times (77+77)) - (77/7+7) \\
&:= ((8-88)/8) + ((8+8) \times ((888-88) + 8)) \\
&:= 9 + (((9/9+99) \times (((999/9) + 9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12919 &:= (11 \times (11 \times 111)) - ((1+1)^{11-1-1}) \\
&:= 22 + (((222/2)^2) + (22+2)^2) \\
&:= 3 + (((33/3)^{3/3+3}) - ((3 \times 3 + 3)^3)) + 3) \\
&:= 4 + ((44+4/4) \times (((4 \times (4+4)) - 4/4) + 4^4)) \\
&:= ((5-5/5) \times ((555/5) + 5^5)) - (5 \times 5) \\
&:= 6/6 + ((6 \times ((6 \times (6 \times (66-6))) - 6)) - 6) \\
&:= (((((7+7)/7)^7) - (7+7))^{(7+7)/7}) - 77 \\
&:= 8888 + ((8 \times ((8 \times 8 \times 8) - 8)) - 8/8) \\
&:= (9 \times (9 \times 99)) + (((9 \times 9) - (99/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12920 &:= 1 + ((11 \times (11 \times 111)) - ((1+1)^{11-1-1})) \\
&:= (2-22) \times (2 - (2 \times (((2^2+2) + 2)^2)) \\
&:= ((33/3) + 3^3) \times (((3/3+3+3)^3) - 3) \\
&:= 444 + (((4^4+4) \times (44+4)) - 4) \\
&:= (5 \times 5^5) + (((5+5) \times (5 - (5 \times 55))) - 5) \\
&:= ((6+6)/6) + ((6 \times ((6 \times (6 \times (66-6))) - 6)) - 6) \\
&:= (7/7+7) \times ((77 \times (7+7+7)) - ((7+7)/7)) \\
&:= 8888 + (8 \times ((8 \times 8 \times 8) - 8)) \\
&:= (99/9+9) \times ((9 \times ((9 \times 9) - 9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12921 &:= (1+1+1) \times (((1+1) \times (111 + ((1+1)^{11}))) - 11) \\
&:= ((22/2)^2) + (2 \times ((2 \times (2 \times (22-2)))^2)) \\
&:= ((3+3) \times ((3 \times (3^{3+3})) - 33)) - 3 \\
&:= 4 + (((4^4 \times (44+4)) + ((4/4+4^4)) + 4) \\
&:= ((5/5+5)^5) + (5 \times ((5-5/5)^5 + 5)) \\
&:= ((66+6/6) + 6) \times (666/6 + 66) \\
&:= ((77+7) \times (77+77)) - ((7/7+7) + 7) \\
&:= 8/8 + ((8 \times ((8 \times 8 \times 8) - 8)) + 8888) \\
&:= (9 \times ((9 \times (9 \times (9+9))) - 9)) - ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12922 &:= 1 + ((1+1+1) \times (((1+1) \times (111 + ((1+1)^{11}))) - 11)) \\
&:= 2 + ((2-22) \times (2 - (2 \times ((2^{2+2}) + 2)^2))) \\
&:= 3/3 + (((3+3) \times ((3 \times (3^{3+3})) - 33)) - 3) \\
&:= 444 + (((4^4 + 4) \times (44+4)) - ((4+4)/4)) \\
&:= 5/5 + ((5 \times ((5-5/5)^5 + 5)) + ((5/5+5)^5)) \\
&:= (6 \times ((6 \times (6 \times (66-6))) - 6)) - ((6+6)/6) \\
&:= (7+7) \times (((77 \times (77+7)) - 7)/7) \\
&:= 8 + ((88/8) \times (((8888-8)/8) + (8 \times 8))) \\
&:= ((9+9)/9) \times ((9 \times (9 \times (9 \times 9))) - (9/9+99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12923 &:= ((1 + (1 + 111))^{1+1}) + (11 \times (1 + 1 + 1 + 11)) \\
&:= 2 + ((2 \times ((2 \times (2 \times (22-2)))^2)) + ((22/2)^2)) \\
&:= ((3+3) \times ((3 \times (3^{3+3})) - 33)) - 3/3 \\
&:= 444 + (((4^4 + 4) \times (44+4)) - 4/4) \\
&:= (5 \times 5^5) + (((5+5) \times (5 - (5 \times 55))) - ((5+5)/5)) \\
&:= (6 \times ((6 \times (6 \times (66-6))) - 6)) - 6/6 \\
&:= 7/7 + ((7+7) \times (((77 \times (77+7)) - 7)/7)) \\
&:= ((888/8) \times ((8 \times (8+8)) - 88/8)) - (8 \times 8) \\
&:= ((9+9) \times ((9 \times (9 \times 9)) - (99/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12924 &:= (1+11) \times (1111 - (1 + (11 \times (1+1+1)))) \\
&:= 2 \times (((2^{2+2}) \times (((22-2)^2) + 2) + 2) - 2) \\
&:= (3+3) \times ((3 \times (3^{3+3})) - 33) \\
&:= 444 + ((4^4 + 4) \times (44+4)) \\
&:= (5-5/5) \times (((555/5) - 5) + 5^5) \\
&:= 6 \times ((6 \times (6 \times (66-6))) - 6) \\
&:= ((77+7)/7) \times ((77 \times (7+7)) - 7/7) \\
&:= ((88+8)/8) \times ((8 \times (8 \times (8+8) + 8)) - 88/8) \\
&:= (9+9) \times ((9 \times (9 \times 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12925 &:= 11 \times (1111 + ((1+1)^{(1+1) \times (1+1+1)})) \\
&:= (22/2) + (22 \times (((22+2)^2) + (22/2))) \\
&:= 3/3 + ((3+3) \times ((3 \times (3^{3+3})) - 33)) \\
&:= (44/4) \times ((4444 + 4^4)/4) \\
&:= 5 \times (((5^5 - 555) + 5) + 5) \\
&:= 6/6 + (6 \times ((6 \times (6 \times (66-6))) - 6)) \\
&:= 77/7 \times (((7+7) \times (77+7)) - 7/7) \\
&:= (88/8) \times ((8888/8) + (8 \times 8)) \\
&:= 9/9 + ((9+9) \times ((9 \times (9 \times 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12926 &:= (111^{1+1}) + (11 \times ((111-1)/(1+1))) \\
&:= 2 \times (((((2/2+2)^{2+2}) - 2)^2) + 222) \\
&:= 3 + (((3+3) \times ((3 \times (3^{3+3})) - 33)) - 3/3) \\
&:= 4/4 + ((44/4) \times ((4444 + 4^4)/4)) \\
&:= 5 + ((5 \times ((5-5/5)^5 + 5)) + ((5/5+5)^5)) \\
&:= ((6+6)/6) + (6 \times ((6 \times (6 \times (66-6))) - 6)) \\
&:= ((7-77)/7) + ((77+7) \times (77+77)) \\
&:= ((8+8) \times ((888-88) + 8)) - ((8+8)/8) \\
&:= ((9+9)/9) + ((9+9) \times ((9 \times (9 \times 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12927 &:= 1 + ((111^{1+1}) + (11 \times ((111-1)/(1+1)))) \\
&:= 222 + (((22/2)^{2+2}) - ((2 \times 22)^2)) \\
&:= 3 + ((3+3) \times ((3 \times (3^{3+3})) - 33)) \\
&:= 4^4 + ((44 \times ((4 \times (4+4)) + 4^4)) - 4/4) \\
&:= 555 + ((5-5/5) \times (5^5 - ((5+5)/5)^5)) \\
&:= (6 \times 6/(6+6)) + (6 \times ((6 \times (6 \times (66-6))) - 6)) \\
&:= ((77+7) \times (77+77)) - ((7+7)/7+7) \\
&:= ((8+8) \times ((888-88) + 8)) - 8/8 \\
&:= ((9+9+9)/9) + ((9+9) \times ((9 \times (9 \times 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12928 &:= (1+1) \times (((1+1)^{11+1+1}) - ((1+11)^{1+1+1})) \\
&:= 2 \times ((2^{2+2}) \times (((22-2)^2) + 2) + 2) \\
&:= 3 + (((3+3) \times ((3 \times (3^{3+3})) - 33)) + 3/3) \\
&:= 4 \times ((4+4) \times ((444-44) + 4)) \\
&:= (5-5/5) \times (((555+5)/5) - 5) + 5^5 \\
&:= 6 + ((6 \times ((6 \times (6 \times (66-6))) - 6)) - ((6+6)/6)) \\
&:= (7/7+7) \times ((77 \times (7+7+7)) - 7/7) \\
&:= (8+8) \times ((888-88) + 8) \\
&:= ((9+9)/9) \times (((9 \times (9 \times (9 \times 9))) - 99) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12929 &:= (((11^{1+1}) - (1+1))^{1+1}) - (11 \times (1+11)) \\
&:= 22 + (((22/2)^2) + 2)^2 - 2222 \\
&:= 33 + (((3^3 - (3/3+3))^3) + (3^{3+3})) \\
&:= ((44/4)^4) + (4 \times ((4 \times 4) - 444)) \\
&:= 5 + ((5-5/5) \times (((555/5) - 5) + 5^5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66-6))) - 6)) - 6/6) \\
&:= ((77+7) \times (77+77)) - 7 \\
&:= 8/8 + ((8+8) \times ((888-88) + 8)) \\
&:= (9 \times ((9 \times (9 \times (9+9))) - 9)) - ((999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12930 &:= (11-1) \times (((1+1+1) \times (1+11))^{1+1}) - (1+1+1) \\
&:= 2 + ((22 \times ((22+2)^2)) + (2^{2 \times (2+2)})) \\
&:= ((3^3 - 3)^3) - ((33 \times 3^3) + 3) \\
&:= 4/4 + ((4 \times ((4 \times 4) - 444)) + ((44/4)^4)) \\
&:= 55 + (5 \times ((5^5 - 555) + 5)) \\
&:= 6 + (6 \times ((6 \times (6 \times (66-6))) - 6)) \\
&:= 7/7 + (((77+7) \times (77+77)) - 7) \\
&:= ((8+8)/8) + ((8+8) \times ((888-88) + 8)) \\
&:= (9 \times ((9 \times (9 \times (9+9))) - 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12931 &:= (111^{1+1}) + (((11 \times 111) - 1)/(1 + 1)) \\
 &:= (((222/2) + 2)^2) + (2 \times ((2/2 + 2)^{2+2})) \\
 &:= 3/3 + (((3^3 - 3^3) - (33 \times 3^3) + 3)) \\
 &:= (((4^4 - 4)/4) + 4) \times (((4 - 4^4)/4) + 4^4) \\
 &:= 55 + ((5 \times ((5^5 - 555) + 5)) + 5/5) \\
 &:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) - 6)) + 6/6) \\
 &:= 7 + (((77 + 7)/7) \times ((77 \times (7 + 7)) - 7/7)) \\
 &:= 88/8 + ((8 \times ((8 \times 8 \times 8) - 8)) + 8888) \\
 &:= ((9 - 999)/9) + (9 \times ((9 \times (9 \times 9)) - 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12936 &:= 11 \times ((1 + 11) \times (111 - 1 - 1 - 11)) \\
 &:= 2 \times ((2^{2+2} - 2) \times (22^2 - 22)) \\
 &:= 3 + (((3^3 - 3^3) - (33 \times 3^3)) \\
 &:= (4^4 + 4 + 4) \times ((44 + 4/4) + 4) \\
 &:= (5 - 5/5) \times (((55 - 5/5) + 5^5) + 55) \\
 &:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) - 6)) + 6) \\
 &:= (77 + 7) \times (77 + 77) \\
 &:= 8 + ((8 + 8) \times ((888 - 88) + 8)) \\
 &:= (99/9) \times ((99 - 9/9) \times ((99 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12932 &:= (111^{1+1}) + ((1 + (11 \times 111))/(1 + 1)) \\
 &:= 2 \times (((2^{2+2}) \times (((22 - 2)^2) + 2) + 2) \\
 &:= ((3^3 - 3^3)^3) - ((33 \times 3^3) + 3/3) \\
 &:= (4^4 - 44) \times (((4^4 + 4)/4) - 4) \\
 &:= ((555/5) - 5) \times ((555 + 55)/5) \\
 &:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) - 6)) + ((6 + 6)/6)) \\
 &:= 7 + ((77/7) \times (((7 + 7) \times (77 + 7)) - 7/7)) \\
 &:= (8 \times 8/(8 + 8)) + ((8 + 8) \times ((888 - 88) + 8)) \\
 &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (99/9))) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12937 &:= 1 + (11 \times ((1 + 11) \times (111 - 1 - 1 - 11))) \\
 &:= 2/2 + (2 \times ((2^{2+2} - 2) \times (22^2 - 22))) \\
 &:= 3 + (((3^3 - 3^3)^3) - (33 \times 3^3)) + 3/3 \\
 &:= 4/4 + ((4^4 + 4 + 4) \times ((44 + 4/4) + 4)) \\
 &:= 5 + (((555/5) - 5) \times ((555 + 55)/5)) \\
 &:= 6 + (((6 \times ((6 \times (6 \times (66 - 6))) - 6)) + 6/6) + 6) \\
 &:= 7/7 + ((77 + 7) \times (77 + 77)) \\
 &:= 8 + (((8 + 8) \times ((888 - 88) + 8)) + 8/8) \\
 &:= 9999/9 + ((9 + 9) \times ((9 \times (9 \times 9) - 9) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12933 &:= 1 + ((111^{1+1}) + ((1 + (11 \times 111))/(1 + 1))) \\
 &:= (2/2 + 2) \times ((22 \times ((2^{2+2} - 2)^2)) - 2/2) \\
 &:= ((3^3 - 3^3)^3) - (33 \times 3^3) \\
 &:= 4 + ((4 \times ((4 \times 4) - 444)) + ((44/4)^4)) \\
 &:= 5 + ((5 - 5/5) \times (((555 + 5)/5) - 5) + 5^5) \\
 &:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) - 6)) + (6 \times 6/(6 + 6))) \\
 &:= ((7 + 7 + 7)/7) \times ((77 \times (7 \times 7 + 7)) - 7/7) \\
 &:= 8 + ((88/8) \times ((8888/8) + (8 \times 8))) \\
 &:= 9 + ((9 + 9) \times ((9 \times (9 \times 9)) - (99/9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12938 &:= ((1 + 1 + 11)^{1+1}) + ((1 + (1 + 111))^{1+1}) \\
 &:= 222 + (22 \times (((22 + 2)^2) + 2)) \\
 &:= 3 + (((3^3 - 3^3)^3) - ((33 \times 3^3) + 3/3)) + 3 \\
 &:= ((4 + 4)/4) + ((4^4 + 4 + 4) \times ((44 + 4/4) + 4)) \\
 &:= (5 \times ((5 \times 5) + 5^5)) + (((5^5 + 5)/5 + 5) - 5^5) \\
 &:= (6 \times (6 \times (6 \times (66 - 6)))) - ((66 + 66)/6) \\
 &:= ((7 + 7)/7) + ((77 + 7) \times (77 + 77)) \\
 &:= (((8 + 8)/8) \times (((88/8) - 8)^8) - 88) - 8 \\
 &:= ((9 + 9)/9) \times ((9 \times (9 \times 9) - 9) - (99/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12934 &:= (1 + ((1 + 1) \times 111)) \times (1 + (1 + ((1 + 111)/(1 + 1))) \\
 &:= (222 + 2/2) \times (((2 + 2 + 2)^2) + 22) \\
 &:= 3/3 + (((3^3 - 3^3)^3) - (33 \times 3^3)) \\
 &:= ((4 + 4)/4) + ((4^4 - 44) \times (((4^4 + 4)/4) - 4)) \\
 &:= ((5 - 5/5) \times ((555/5) + 5^5)) - (5 + 5) \\
 &:= ((66 - 6)/6) + (6 \times ((6 \times (6 \times (66 - 6))) - 6)) \\
 &:= ((7 + 7)/7) \times ((77 \times (77 + 7)) - 7/7) \\
 &:= 8 + (((8 + 8) \times ((888 - 88) + 8)) - ((8 + 8)/8)) \\
 &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - (99/9))) + 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12939 &:= 1 + (((1 + 1 + 11)^{1+1}) + ((1 + (1 + 111))^{1+1})) \\
 &:= 2/2 + ((22 \times (((22 + 2)^2) + 2)) + 222) \\
 &:= 3 + (((3^3 - 3^3)^3) - (33 \times 3^3)) + 3 \\
 &:= (44 \times (44 + 4^4)) - ((4/4 + 4^4) + 4) \\
 &:= ((5 - 5/5) \times ((555/5) + 5^5)) - 5 \\
 &:= ((6 - (66 + 66))/6) + (6 \times (6 \times (6 \times (66 - 6)))) \\
 &:= ((7 + 7 + 7)/7) + ((77 + 7) \times (77 + 77)) \\
 &:= 88/8 + ((8 + 8) \times ((888 - 88) + 8)) \\
 &:= 9 + ((9 \times ((9 \times (9 \times 9)) - 9)) - (999/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12935 &:= (11 \times ((1 + 11) \times (111 - 1 - 1 - 11))) - 1 \\
 &:= (((22 - 2)^2) - 2)/2 \times ((2^{2+2+2}) + 2/2) \\
 &:= 3 + (((3^3 - 3^3)^3) - ((33 \times 3^3) + 3/3)) \\
 &:= ((4^4 + 4 + 4) \times ((44 + 4/4) + 4)) - 4/4 \\
 &:= 5 + ((5 \times ((5^5 - 555) + 5)) + 55) \\
 &:= (66/6) + (6 \times ((6 \times (6 \times (66 - 6))) - 6)) \\
 &:= ((77 + 7) \times (77 + 77)) - 7/7 \\
 &:= (8/8 + (8 \times 8)) \times ((888/8) + 88) \\
 &:= (99/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - (99/9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 12940 &:= (11 - 1) \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - (1 + 1) \\
 &:= (2 - 22) \times ((2 - ((2 + 2 + 2)^{2+2}))/2) \\
 &:= ((33/3) + 3 \times 3) \times ((3 \times ((3 + 3)^3)) - 3/3) \\
 &:= (44 \times (44 + 4^4)) - (4^4 + 4) \\
 &:= (5 - 5/5) \times ((55 + 55) + 5^5) \\
 &:= (6 \times 66) + (((666 + 6)/6)^{(6+6)/6}) \\
 &:= (77/7) + (((77 + 7) \times (77 + 77)) - 7) \\
 &:= ((88 + 8)/8) + ((8 + 8) \times ((888 - 88) + 8)) \\
 &:= (99/9 + 9) \times ((9 \times ((9 \times 9) - 9)) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12941 &:= 1 + ((11 - 1) \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - (1 + 1)) \\
&:= 2/2 + ((2 - 22) \times ((2 - ((2 + 2 + 2)^{2+2})/2)) \\
&:= ((3 + 3) \times (((3 \times (3^{3+3})) - 33) + 3)) - 3/3 \\
&:= 4/4 + ((44 \times (44 + 4^4)) - (4^4 + 4)) \\
&:= 5/5 + ((5 - 5/5) \times ((55 + 55) + 5^5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) - 6)) + (66/6)) \\
&:= 7 + (((7 + 7)/7) \times ((77 \times (77 + 7)) - 7/7)) \\
&:= 8 + (((88/8) \times ((8888/8) + (8 \times 8))) + 8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - ((9/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12946 &:= (11 \times (11 \times (111 - (1 + 1 + 1 + 1)))) - 1 \\
&:= 2 + (((222 + 2)/2)^2) + ((22 - 2)^2) \\
&:= (((3 + 3)^3) \times (3^3 + 33)) - (33/3 + 3) \\
&:= ((4 + 4)/4) + ((44 \times (44 + 4^4)) - 4^4) \\
&:= (5^5/5) + ((555/5)^{(5+5)/5}) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - (((6 + 6)/6 + 6) + 6) \\
&:= ((77 - 7)/7) + ((77 + 7) \times (77 + 7)) \\
&:= ((8 + 8)/8) \times (((88/8) - 8)^8) - 88 \\
&:= ((9 + 9)/9) \times (((9 \times (9 \times 9)) - 9) - 9) + ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12942 &:= (1 + 1) \times ((1 + 1 + 1) \times (111 + (((1 + 1)^{11}) - (1 + 1)))) \\
&:= 2 + ((2 - 22) \times ((2 - ((2 + 2 + 2)^{2+2})/2)) \\
&:= (3 + 3) \times (((3 \times (3^{3+3})) - 33) + 3) \\
&:= (44 \times (44 + 4^4)) - ((4 + 4)/4 + 4^4) \\
&:= ((5 + 5)/5) + ((5 - 5/5) \times ((55 + 55) + 5^5)) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - (6 + 6 + 6) \\
&:= 7 + (((77 + 7) \times (77 + 7)) - 7/7) \\
&:= (((8 + 8)/8) + 8) + 8 \times (((8 \times 88) - 8/8) + 8) + 8 \\
&:= (9 + 9) \times ((9 \times (9 \times 9)) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12947 &:= 11 \times (11 \times (111 - (1 + 1 + 1 + 1))) \\
&:= ((22/2)^2) \times (222/2 - 2 - 2) \\
&:= (33/3) \times ((33 \times (33 + 3)) - 33/3) \\
&:= 4 + ((44 - 4/4) \times (44 + 4^4) + 4/4) \\
&:= ((5^5 + 5)/5) + ((555/5)^{(5+5)/5}) \\
&:= (66/6) \times ((6666/6) + 66) \\
&:= (77/7) + ((77 + 7) \times (77 + 7)) \\
&:= 8 + (((8 + 8) \times ((888 - 88) + 8)) + (88/8)) \\
&:= (99/9) \times ((99/9) \times ((99 - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12943 &:= ((1 + 111)^{1+1}) + (((1 + 1) \times (11 - 1))^{1+1}) - 1 \\
&:= ((2/2 + 2 + 2) + 2) \times (((2 \times 22) - 2/2)^2) \\
&:= 3/3 + ((3 + 3) \times (((3 \times (3^{3+3})) - 33) + 3)) \\
&:= (44 - 4/4) \times (44 + 4^4) + 4/4 \\
&:= ((5 - 5/5) \times ((555/5) + 5^5)) - 5/5 \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - ((66/6) + 6) \\
&:= 7 + ((77 + 7) \times (77 + 7)) \\
&:= 8 + ((8/8 + (8 \times 8)) \times ((888/8) + 88)) \\
&:= 9/9 + ((9 + 9) \times ((9 \times (9 \times 9)) - (9/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12948 &:= 1 + (11 \times (11 \times (111 - (1 + 1 + 1 + 1)))) \\
&:= (2 + 2 + 2) \times (((2 \times 22)^2) + 222) \\
&:= ((33 + 3) + 3) \times (333 - 3/3) \\
&:= 4 + ((44 \times (44 + 4^4)) - 4^4) \\
&:= (5 - 5/5) \times (((555 + 5)/5) + 5^5) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - (6 + 6) \\
&:= ((77 + 7)/7) \times ((77 \times (7 + 7)) + 7/7) \\
&:= ((8 + 8)/8) \times (((88/8) - 8)^8) - 88 + 8/8 \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12944 &:= ((1 + 111)^{1+1}) + (((1 + 1) \times (11 - 1))^{1+1}) \\
&:= ((22 - 2)^2) + (((222 + 2)/2)^2) \\
&:= (33/3) + (((3^3 - 3)^3) - (33 \times 3^3)) \\
&:= (44 \times (44 + 4^4)) - 4^4 \\
&:= (5 - 5/5) \times ((555/5) + 5^5) \\
&:= ((6 - 66)/6) + ((6 \times (6 \times (6 \times (66 - 6)))) - 6) \\
&:= 7 + (((77 + 7) \times (77 + 7)) + 7/7) \\
&:= 8 + (((8 + 8) \times ((888 - 88) + 8)) + 8) \\
&:= ((9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - (9/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12949 &:= 1 + (1 + (11 \times (11 \times (111 - (1 + 1 + 1 + 1)))) \\
&:= 2 + (((22/2)^2) \times (222/2 - 2 - 2)) \\
&:= (((3 + 3)^3) \times (3^3 + 33)) - (33/3) \\
&:= 4 + (((44 \times (44 + 4^4)) - 4^4) + 4/4) \\
&:= 5 + ((5 - 5/5) \times ((555/5) + 5^5)) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - (66/6) \\
&:= 7 + (((77 + 7) \times (77 + 7)) - 7/7) + 7) \\
&:= ((88 + 8) \times (((8 \times (8 + 8)) - 8/8) + 8)) - (88/8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12945 &:= (11 \times (11 \times (111 - (1 + 1 + 1 + 1)))) - (1 + 1) \\
&:= (2 \times (2 \times 2 \times 22)) + (((222/2) + 2)^2) \\
&:= 3 + ((3 + 3) \times (((3 \times (3^{3+3})) - 33) + 3)) \\
&:= 4/4 + ((44 \times (44 + 4^4)) - 4^4) \\
&:= 5 + ((5 - 5/5) \times ((55 + 55) + 5^5)) \\
&:= (6 - 6/6) \times ((6 \times (6 \times (66 + 6))) - (6 \times 6/(6 + 6))) \\
&:= 7 + (((77 + 7) \times (77 + 7)) + (7 + 7)/7) \\
&:= ((88 + 8) \times (8 \times (8 + 8) + 8)) - (888/8) \\
&:= 9 + ((99/9) \times ((99 - 9/9) \times ((99 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12950 &:= (11 - 1) \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - 1 \\
&:= 2 + ((2 + 2 + 2) \times (((2 \times 22)^2) + 222)) \\
&:= (3^{3+3}) + ((33/3) \times (3333/3)) \\
&:= ((44 - 4)/4) \times (((4 + 4)/4) + 4^4) - 4/4 \\
&:= 5 \times (((5 \times 5) - (555 + 5)) + 5^5) \\
&:= ((6 - 66)/6) + (6 \times (6 \times (6 \times (66 - 6)))) \\
&:= 7 + (((77 + 7) \times (77 + 7)) + 7) \\
&:= ((8/8 + 8 + 8) + 8) \times (((8 \times 8 \times 8) - ((8 + 8)/8)) + 8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12951 &:= 1 + ((11 - 1) \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - 1) \\
&:= 2 + (((22/2)^2) \times (222/2 - 2 - 2)) + 2 \\
&:= 3 \times (((3 + 3) \times (3^{3+3}) - 3 \times 3) - 3) \\
&:= 4 + (((44 - 4/4) \times (44 + 4^4) + 4/4) + 4) \\
&:= 5 + (((555/5)^{5+5/5}) + (5^5/5)) \\
&:= (((6 - 66) + 6)/6) + (6 \times (6 \times (6 \times (66 - 6)))) \\
&:= 7 + (((77 + 7) \times (77 + 77)) + 7/7) + 7 \\
&:= 8 + (((8/8 + (8 \times 8)) \times ((888/8) + 88)) + 8) \\
&:= ((9 + 9) \times (9 \times (9 \times 9)) - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12952 &:= (1 + 1) \times (((1 + 1 + 1) \times (111 + ((1 + 1)^{11}))) - 1) \\
&:= (22^{2/2+2}) + ((2 \times (22 + 2))^2) \\
&:= 3 + (((3 + 3)^3) \times (3^3 + 33)) - 33/3 \\
&:= 4 + (((44 \times (44 + 4^4)) - 4^4) + 4) \\
&:= (5 - 5/5) \times (((555 + 5) + 5)/5) + 5^5 \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - ((6 + 6)/6 + 6) \\
&:= (7/7 + 7) \times ((77 \times (7 + 7 + 7)) + (7 + 7)/7) \\
&:= 88 + (8 \times ((8 \times (8 + 8 + 8)) + 8)) + 8) \\
&:= 9/9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12953 &:= ((1 + 1) \times ((1 + 1 + 1) \times (111 + ((1 + 1)^{11})))) - 1 \\
&:= 2/2 + (((22^{2/2+2}) + ((2 \times (22 + 2))^2)) \\
&:= (333 \times ((33 + 3) + 3)) - (3/3 + 33) \\
&:= 4 + (((44 \times (44 + 4^4)) - 4^4) + 4/4) + 4) \\
&:= 5 + ((5 - 5/5) \times (((555 + 5)/5) + 5^5)) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - (6/6 + 6) \\
&:= 7 + (((77 + 7) \times (77 + 77)) + ((77 - 7)/7)) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - (888/8)) \\
&:= ((9 + 9)/9) + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12954 &:= (1 + 1) \times ((1 + 1 + 1) \times (111 + ((1 + 1)^{11}))) \\
&:= 2 + ((22^{2/2+2}) + ((2 \times (22 + 2))^2)) \\
&:= (333 \times ((33 + 3) + 3)) - 33 \\
&:= (4^4 - (4 + 4)/4) \times (((44 - 4/4) + 4) + 4) \\
&:= 5 + (((5 - 5/5) \times ((555/5) + 5^5)) + 5) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - 6 \\
&:= (7 \times (7 \times (7 - 77))) + (((7 + 7)/7)^{7+7}) \\
&:= 8 + (((8 + 8)/8) \times (((88/8) - 8)^8) - 88) \\
&:= ((9 + 9 + 9)/9) + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12955 &:= 1 + ((1 + 1) \times ((1 + 1 + 1) \times (111 + ((1 + 1)^{11})))) \\
&:= (2/2 + 2 + 2) \times ((2 \times ((2 + 2 + 2)^{2+2})) - 2/2) \\
&:= 3/3 + ((333 \times ((33 + 3) + 3)) - 33) \\
&:= (44/4) + ((44 \times (44 + 4^4)) - 4^4) \\
&:= ((5 + 5) \times ((5/5 + 5)^{5-5/5})) - 5 \\
&:= 6/6 + ((6 \times (6 \times (6 \times (66 - 6)))) - 6) \\
&:= 7 + (((77 + 7)/7) \times ((77 \times (7 + 7)) + 7/7)) \\
&:= 8 + (((8 + 8) \times ((888 - 88) + 8)) + (88/8)) + 8) \\
&:= ((9 - 99)/(9 + 9)) + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12956 &:= (1 + 1) \times (1 + ((1 + 1 + 1) \times (111 + ((1 + 1)^{11})))) \\
&:= 2 \times (((22 - 2) \times (((2^{2+2}) + 2)^2)) - 2) \\
&:= (((3 + 3)^3) \times (3^3 + 33)) - (3/3 + 3) \\
&:= (4 \times ((44 - 4) \times ((4 - 4/4)^4)) - 4) \\
&:= 5/5 + (((5 + 5) \times ((5/5 + 5)^{5-5/5})) - 5) \\
&:= ((6 + 6)/6) + ((6 \times (6 \times (6 \times (66 - 6)))) - 6) \\
&:= (7 \times (7 \times (7 \times 7 - 77))) - (7/7 + 77) \\
&:= 8 + (((8 + 8)/8) \times (((88/8) - 8)^8) - 88) + 8/8) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9)) - 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12957 &:= (1 + 1 + 1) \times (1 + ((1 + 1) \times (111 + ((1 + 1)^{11})))) \\
&:= 2/2 + (2 \times (((22 - 2) \times (((2^{2+2}) + 2)^2)) - 2)) \\
&:= (((3 + 3)^3) \times (3^3 + 33)) - 3 \\
&:= 44 + ((4^4 \times (44 + 4)) + ((4/4 + 4)^4)) \\
&:= 5 + ((5 - 5/5) \times (((555 + 5) + 5)/5) + 5^5) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - (6 \times 6/(6 + 6)) \\
&:= (7 \times (7 \times (7 \times 7 - 77))) - 77 \\
&:= ((88 + 8) \times (8 \times (8 + 8) + 8)) - ((88/8) + 88) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12958 &:= 11 \times (1 + (11 \times (111 - (1 + 1 + 1 + 1)))) \\
&:= 22 \times (((22 + 2)^2) + (22/2)) + 2) \\
&:= 3/3 + (((3 + 3)^3) \times (3^3 + 33)) - 3) \\
&:= (4 \times ((44 - 4) \times ((4 - 4/4)^4)) - ((4 + 4)/4) \\
&:= (55/5) \times (((5^5 - (5 + 5))/5) + 555) \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - ((6 + 6)/6) \\
&:= 7/7 + ((7 \times (7 \times (7 \times 7 - 77))) - 77) \\
&:= (88/8) \times (((88/8) + 8) \times ((8 \times 8) - ((8 + 8)/8))) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12959 &:= ((11 - 1) \times (((1 + 1 + 1) \times (1 + 11))^{1+1})) - 1 \\
&:= (2 \times ((22 - 2) \times (((2^{2+2}) + 2)^2))) - 2/2 \\
&:= (((3 + 3)^3) \times (3^3 + 33)) - 3/3 \\
&:= (4 \times ((44 - 4) \times ((4 - 4/4)^4)) - 4/4) \\
&:= ((5 + 5) \times ((5/5 + 5)^{5-5/5})) - 5/5 \\
&:= (6 \times (6 \times (6 \times (66 - 6)))) - 6/6 \\
&:= 7 + ((7/7 + 7) \times ((77 \times (7 + 7 + 7)) + ((7 + 7)/7))) \\
&:= ((88 + 8) \times (((8 \times (8 + 8)) - 8/8) + 8)) - 8/8 \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12960 &:= (11 - 1) \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) \\
&:= 2 \times ((22 - 2) \times (((2^{2+2}) + 2)^2)) \\
&:= ((3 + 3)^3) \times (3^3 + 33) \\
&:= 4 \times ((44 - 4) \times ((4 - 4/4)^4)) \\
&:= (5 + 5) \times ((5/5 + 5)^{5-5/5}) \\
&:= 6 \times (6 \times (6 \times (66 - 6))) \\
&:= ((77 - 7)/7) \times ((7 - 7/7)^{77/7-7}) \\
&:= (88 + 8) \times (((8 \times (8 + 8)) - 8/8) + 8) \\
&:= (9 + 9) \times ((9 \times (9 \times 9)) - 9)
\end{aligned}$$

- ▶ **12961** := $1 + ((11 - 1) \times (((1 + 1 + 1) \times (1 + 11))^{1+1}))$
:= $2/2 + (2 \times ((22 - 2) \times ((2^{2+2} + 2)^2)))$
:= $3/3 + (((3 + 3)^3) \times (3^3 + 33))$
:= $4/4 + (4 \times ((44 - 4) \times ((4 - 4/4)^4)))$
:= $5/5 + ((5 + 5) \times ((5/5 + 5)^{5-5/5}))$
:= $6/6 + (6 \times (6 \times (6 \times (66 - 6))))$
:= $7 + ((7 \times (7 \times (7 - 77))) + (((7 + 7)/7)^{7+7}))$
:= $8/8 + ((88 + 8) \times (((8 \times (8 + 8)) - 8/8) + 8))$
:= $9/9 + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))$
- ▶ **12962** := $1 + (1 + ((11 - 1) \times (((1 + 1 + 1) \times (1 + 11))^{1+1})))$
:= $2 + (2 \times ((22 - 2) \times ((2^{2+2} + 2)^2)))$
:= $3 + (((3 + 3)^3) \times (3^3 + 33)) - 3/3$
:= $((4 + 4)/4) + (4 \times ((44 - 4) \times ((4 - 4/4)^4)))$
:= $((5 + 5)/5) + ((5 + 5) \times ((5/5 + 5)^{5-5/5}))$
:= $((6 + 6)/6) + (6 \times (6 \times (6 \times (66 - 6))))$
:= $7 + (((77 + 7)/7) \times ((77 \times (7 + 7)) + 7/7)) + 7$
:= $((8 + 8)/8) \times (((88/8) - 8)^8) - 88 + 8$
:= $((9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))$
- ▶ **12963** := $((1 + (1 + (1 + 111)))^{1+1}) - (11 \times (1 + 1 + 1))$
:= $2 + ((2 \times ((22 - 2) \times ((2^{2+2} + 2)^2))) + 2/2)$
:= $3 + (((3 + 3)^3) \times (3^3 + 33))$
:= $4 + ((4 \times ((44 - 4) \times ((4 - 4/4)^4))) - 4/4)$
:= $5 + (55/5 \times (((5^5 - (5 + 5))/5) + 555))$
:= $(6 \times 6/(6 + 6)) + (6 \times (6 \times (6 \times (66 - 6))))$
:= $7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) - (7/7 + 77))$
:= $(8/8 - 88) \times ((88/8) - ((8 \times 8) + 88) + 8)$
:= $((9 + 9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))$
- ▶ **12964** := $1 + (((1 + (1 + (1 + 111)))^{1+1}) - (11 \times (1 + 1 + 1)))$
:= $2 \times (((22 - 2) \times ((2^{2+2} + 2)^2)) + 2)$
:= $3 + (((3 + 3)^3) \times (3^3 + 33)) + 3/3$
:= $4 + (4 \times ((44 - 4) \times ((4 - 4/4)^4)))$
:= $(5 - 5/5) \times (((555/5) + 5^5) + 5)$
:= $6 + ((6 \times (6 \times (6 \times (66 - 6)))) - ((6 + 6)/6))$
:= $7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) - 77)$
:= $8 \times 8 + ((8 \times (8 + 8) + 8/8) \times (((88 + 8)/8) + 88))$
:= $((9 + 9)/9) \times ((9 \times ((9 \times (9 \times 9)) - 9)) + ((9 + 9)/9))$
- ▶ **12965** := $11 + ((1 + 1) \times ((1 + 1 + 1) \times (111 + ((1 + 1)^{11}))))$
:= $((2^{2+2} - 2)^2) + (((222/2) + 2)^2)$
:= $3 + (((3 + 3)^3) \times (3^3 + 33)) - 3/3 + 3$
:= $4 + ((4 \times ((44 - 4) \times ((4 - 4/4)^4))) + 4/4)$
:= $5 + ((5 + 5) \times ((5/5 + 5)^{5-5/5}))$
:= $6 + ((6 \times (6 \times (6 \times (66 - 6)))) - 6/6)$
:= $7 + (((7 \times (7 \times (7 \times 7 \times 7 - 77))) - 77) + 7/7)$
:= $8888 + ((8 \times (8 \times 8 \times 8)) - ((88/8) + 8))$
:= $((9 \times 9 + 9)/(9 + 9)) + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))$
- ▶ **12966** := $(1 + 1) \times ((1 + 1 + 1) \times (1 + (1 + (111 + ((1 + 1)^{11}))))$
:= $2 + (2 \times (((22 - 2) \times ((2^{2+2} + 2)^2)) + 2))$
:= $3 + (((3 + 3)^3) \times (3^3 + 33)) + 3$
:= $4 + ((4 \times ((44 - 4) \times ((4 - 4/4)^4))) + ((4 + 4)/4))$
:= $5 + (((5 + 5) \times ((5/5 + 5)^{5-5/5})) + 5/5)$
:= $6 + (6 \times (6 \times (6 \times (66 - 6))))$
:= $((7 + 7)/7) \times (((77 \times (77 + 7)) + 7/7) + 7) + 7$
:= $((88 + 8) \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8) + 88$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - ((9 + 9 + 9)/9))$
- ▶ **12967** := $(11 \times (11 \times (111 - (1 + 1)))) - ((1 + 1) \times 111)$
:= $2 + (((222/2) + 2)^2) + ((2^{2+2} - 2)^2)$
:= $3 + (((3 + 3)^3) \times (3^3 + 33)) + 3/3 + 3$
:= $4 + (((4 \times ((44 - 4) \times ((4 - 4/4)^4))) - 4/4) + 4)$
:= $5 + (((5 + 5) \times ((5/5 + 5)^{5-5/5})) + ((5 + 5)/5))$
:= $6 + ((6 \times (6 \times (6 \times (66 - 6)))) + 6/6)$
:= $((7 + 7 + 7)/7)^7 + ((7 + 7) \times (777 - 7))$
:= $((88 + 8) \times (8 \times (8 + 8) + 8)) - (8/8 + 88)$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - ((9 + 9)/9))$
- ▶ **12968** := $(11 \times ((11 - 1 - 1) \times ((11 \times (1 + 11)) - 1))) - 1$
:= $2 \times (((22 - 2) \times ((2^{2+2} + 2)^2)) + 2) + 2$
:= $((3^3 - 3/3)^3) - (((3^3 - 3)^3)/3)$
:= $4 + ((4 \times ((44 - 4) \times ((4 - 4/4)^4))) + 4)$
:= $(5 - 5/5) \times (((555 + 5)/5) + 5^5) + 5$
:= $6 + ((6 \times (6 \times (6 \times (66 - 6)))) + ((6 + 6)/6))$
:= $7 + (((7 \times (7 \times (7 - 77))) + (((7 + 7)/7)^{7+7})) + 7)$
:= $((88 + 8) \times (8 \times (8 + 8) + 8)) - 88$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 9/9)$
- ▶ **12969** := $11 \times ((11 - 1 - 1) \times ((11 \times (1 + 11)) - 1))$
:= $222 + (((222/2) + 2)^2) - 22$
:= $33 \times ((33 \times (3 \times 3 + 3)) - 3)$
:= $((444/4) + 4)^{(4+4)/4} - 4^4$
:= $(55/5) \times (((5^5 - 5)/5) + 555)$
:= $6 + ((6 \times (6 \times (6 \times (66 - 6)))) + (6 \times 6/(6 + 6)))$
:= $(7777/7) + (77 \times (77 + 77))$
:= $8/8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - 88)$
:= $9 + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))$
- ▶ **12970** := $(11 - 1) \times (1 + (((1 + 1 + 1) \times (1 + 11))^{1+1}))$
:= $(2/2 + 2 + 2) \times ((2 \times ((2 + 2 + 2)^{2+2})) + 2)$
:= $3/3 + (33 \times ((33 \times (3 \times 3 + 3)) - 3))$
:= $((44 - 4)/4) \times (((4 + 4)/4) + 4)^4 + 4/4$
:= $(5 \times (((5 \times 5) - 555) + 5^5)) - 5$
:= $((66 - 6)/6) + (6 \times (6 \times (6 \times (66 - 6))))$
:= $(77 \times (77 + 77)) + ((7777 + 7)/7)$
:= $8 + (((8 + 8)/8) \times (((88/8) - 8)^8) - 88) + 8$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) + 9/9)$

$$\begin{aligned}
\blacktriangleright 12971 &:= (111 - (1 + 1)) \times ((11^{1+1}) - (1 + 1)) \\
&:= (222/2 - 2) \times (((22/2)^2) - 2) \\
&:= (33/3) + (((3 + 3)^3) \times (3^3 + 33)) \\
&:= (44/4) + (4 \times ((44 - 4) \times ((4 - 4/4)^4))) \\
&:= 5/5 + ((5 \times (((5 \times 5) - 555) + 5^5)) - 5) \\
&:= (66/6) + (6 \times (6 \times (6 \times (66 - 6)))) \\
&:= (((77 - 7)/7) + 7) \times (777 - 7 - 7) \\
&:= ((888/8) + 8) \times ((888 - (8 + 8))/8) \\
&:= (99/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12972 &:= 1 + ((111 - (1 + 1)) \times ((11^{1+1}) - (1 + 1))) \\
&:= (((((222 + 2)/2) + 2)^2) - (22 + 2)) \\
&:= 3 + (33 \times ((33 \times (3 \times 3 + 3)) - 3)) \\
&:= ((4 + 4)^4) + (((4 \times 4 + 4) \times 444) - 4) \\
&:= ((5 + 5)/5) + ((5 \times (((5 \times 5) - 555) + 5^5)) - 5) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - 6)))) + 6) \\
&:= (77 - (7/7 + 7)) \times ((777/7) + 77) \\
&:= 8888 + ((8 \times (8 \times 8 \times 8)) - ((88 + 8)/8)) \\
&:= ((99 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12973 &:= 1 + (1 + ((111 - (1 + 1)) \times ((11^{1+1}) - (1 + 1)))) \\
&:= 2 + ((222/2 - 2) \times (((22/2)^2) - 2)) \\
&:= 3 + ((33 \times ((33 \times (3 \times 3 + 3)) - 3)) + 3/3) \\
&:= 4 + (((444/4) + 4)^{(4+4)/4}) - 4^4 \\
&:= (5 \times (((5 \times 5) - 555) + 5^5)) - ((5 + 5)/5) \\
&:= 6 + (((6 \times (6 \times (6 \times (66 - 6)))) + 6/6) + 6) \\
&:= (((777 - 7)/7) \times ((777/7) + 7)) - 7 \\
&:= 8888 + ((8 \times (8 \times 8 \times 8)) - 88/8) \\
&:= ((99 + 9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12974 &:= (1 + 1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 1)) \\
&:= (((((222 + 2)/2) + 2)^2) - 22) \\
&:= 3 + (((3 + 3)^3) \times (3^3 + 33)) + (33/3) \\
&:= 4 + (((44 - 4)/4) \times (((4 + 4)/4) + 4)^4 + 4/4) \\
&:= (5 \times (((5 \times 5) - 555) + 5^5)) - 5/5 \\
&:= 6 + (((6 \times (6 \times (6 \times (66 - 6)))) + ((6 + 6)/6)) + 6) \\
&:= (7 \times ((77 \times (7 + 7)) + 777)) - (77/7) \\
&:= ((8 - 88)/8) + (8888 + (8 \times (8 \times 8 \times 8))) \\
&:= ((99 + 9 + 9)/9) \times (999 - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12975 &:= 1 + ((1 + 1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 1))) \\
&:= 2/2 + (((((222 + 2)/2) + 2)^2) - 22) \\
&:= 3 + ((33 \times ((33 \times (3 \times 3 + 3)) - 3)) + 3) \\
&:= (44 \times 444) - ((4 - 4/4)^{4+4}) \\
&:= 5 \times (((5 \times 5) - 555) + 5^5) \\
&:= ((666/6) \times ((666/6) + 6)) - (6 + 6) \\
&:= ((7 - 77)/7) + (7 \times ((77 \times (7 + 7)) + 777)) \\
&:= 8888 + ((8 \times (8 \times 8 \times 8)) - (8/8 + 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - ((9 + 9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12976 &:= ((1 + (1 + (1 + 111)))^{1+1}) - ((1 + 1) \times (11 - 1)) \\
&:= 2 + (((((222 + 2)/2) + 2)^2) - 22) \\
&:= (333 \times ((33 + 3) + 3)) - (33/3) \\
&:= 4 \times (((44 - 4) \times ((4 - 4/4)^4)) + 4) \\
&:= 5/5 + (5 \times (((5 \times 5) - 555) + 5^5)) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - 6)))) + ((66 - 6)/6)) \\
&:= 7 + ((77 \times (77 + 77)) + (7777/7)) \\
&:= 8888 + ((8 \times (8 \times 8 \times 8)) - 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - ((9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12977 &:= ((11 - 1 - 1) \times (111 + (11^{1+1+1}))) - 1 \\
&:= 2 + (((((222 + 2)/2) + 2)^2) - 22) + 2/2) \\
&:= ((3 - 33)/3) + (333 \times ((33 + 3) + 3)) \\
&:= 4/4 + (((4 \times 4 + 4) \times 444) + ((4 + 4)^4)) \\
&:= ((5 + 5)/5) + (5 \times (((5 \times 5) - 555) + 5^5)) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - 6)))) + (66/6)) \\
&:= (7 \times ((77 \times (7 + 7)) + 777)) - (7/7 + 7) \\
&:= 8/8 + ((8888 - 8) + (8 \times (8 \times 8 \times 8))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12978 &:= (11 - 1 - 1) \times (111 + (11^{1+1+1})) \\
&:= 2 + (((((222 + 2)/2) + 2)^2) - 22) + 2) \\
&:= 3 \times ((3 \times ((33/3)^3)) + 333) \\
&:= ((4 + 4)^4) + (((4 \times 4 + 4) \times 444) + ((4 + 4)/4)) \\
&:= ((55/5 + 5) + 5) \times (((5^5 - (5 + 5))/5) - 5) \\
&:= 6 + (((6 \times (6 \times (6 \times (66 - 6)))) + 6) + 6) \\
&:= (7 \times ((77 \times (7 + 7)) + 777)) - 7 \\
&:= ((8 + 8)/8) \times (((88/8) - 8)^8) - ((8 \times 8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12979 &:= ((111 - 1) \times ((11^{1+1}) - (1 + 1 + 1))) - 1 \\
&:= (((((222 + 2)/2) + 2)^2) - ((2^2+2) + 2/2)) \\
&:= 3 + ((333 \times ((33 + 3) + 3)) - 33/3) \\
&:= 4 + ((44 \times 444) - ((4 - 4/4)^{4+4})) \\
&:= 5 + ((5 \times (((5 \times 5) - 555) + 5^5)) - 5/5) \\
&:= 6 + (((6 \times (6 \times (6 \times (66 - 6)))) + 6/6) + 6) + 6) \\
&:= 7/7 + ((7 \times ((77 \times (7 + 7)) + 777)) - 7) \\
&:= ((888/8) \times ((8 \times (8 + 8)) - 88/8)) - 8 \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12980 &:= (111 - 1) \times ((11^{1+1}) - (1 + 1 + 1)) \\
&:= 22 \times (((22 + 2)^2) - 2) + (2^{2+2}) \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3) - 33) \\
&:= 44 \times ((4^4 - (4/4 + 4)) + 44) \\
&:= 5 + (5 \times (((5 \times 5) - 555) + 5^5)) \\
&:= ((66 - 6)/6) \times ((6 \times 6 \times 6 \times 6) + ((6 + 6)/6)) \\
&:= ((777 - 7)/7) \times ((777/7) + 7) \\
&:= ((888 - 8)/8) \times (((888 - 8)/8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12981 &:= 1 + ((111 - 1) \times ((11^{1+1}) - (1 + 1 + 1))) \\
&:= 2/2 + (22 \times (((22 + 2)^2) - 2) + (2^{2+2})) \\
&:= (333 \times ((33 + 3) + 3)) - (3 + 3) \\
&:= 4/4 + (44 \times ((4^4 - (4/4 + 4)) + 44)) \\
&:= 5 + ((5 \times ((5 \times 5) - 555) + 5^5)) + 5/5 \\
&:= ((666/6) \times ((666/6) + 6)) - 6 \\
&:= 7 + ((7 \times ((77 \times (7 + 7)) + 777)) - (77/7)) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) - (88/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12982 &:= 1 + (1 + ((111 - 1) \times ((11^{1+1}) - (1 + 1 + 1)))) \\
&:= 2 + (22 \times (((22 + 2)^2) - 2) + (2^{2+2})) \\
&:= 3/3 + ((333 \times ((33 + 3) + 3)) - (3 + 3)) \\
&:= ((4 + 4)^4) + (((4 + 4)/4) \times (4444 - 4/4)) \\
&:= ((555/5) \times (((555 + 5)/5) + 5)) - 5 \\
&:= ((66 + 66)/6) + (6 \times (6 \times (6 \times (66 - 6)))) \\
&:= (((((7 + 7)/7)^7) - (7 + 7))^{(7+7)/7}) - (7 + 7) \\
&:= 8888 + ((8 \times (8 \times 8 \times 8)) - ((8 + 8)/8)) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9)) - 9)) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12983 &:= ((1 + (1 + (1 + 111)))^{1+1}) - (1 + 1 + 11) \\
&:= (((((222 + 2)/2) + 2)^2) - ((22/2) + 2)) \\
&:= (333 \times ((33 + 3) + 3)) - (3/3 + 3) \\
&:= 4 + (((44 \times 444) - ((4 - 4/4)^{4+4})) + 4) \\
&:= 5 + (((55/5 + 5) + 5) \times (((5^5 - (5 + 5))/5) - 5)) \\
&:= 6 + (((6 \times (6 \times (6 \times (66 - 6)))) + (66/6)) + 6) \\
&:= (7 \times ((77 \times (7 + 7)) + 777)) - ((7 + 7)/7) \\
&:= 8888 + ((8 \times (8 \times 8 \times 8)) - 8/8) \\
&:= 9 + (((99 + 9 + 9)/9) \times (999 - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12984 &:= ((1 + (1 + (1 + 111)))^{1+1}) - 11 - 1 \\
&:= 2 \times ((2 \times 2222) + (2^{22/2})) \\
&:= (333 \times ((33 + 3) + 3)) - 3 \\
&:= 4 + (44 \times ((4^4 - (4/4 + 4)) + 44)) \\
&:= (5 - 5/5) \times (((555/5) + 5^5) + 5) + 5 \\
&:= (6 \times ((6 \times (6 \times (66 - 6))) + 6)) - (6 + 6) \\
&:= (7 \times ((77 \times (7 + 7)) + 777)) - 7/7 \\
&:= 8888 + (8 \times (8 \times 8 \times 8)) \\
&:= (9 - 9/9) \times (9999/9 + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12985 &:= ((1 + (1 + (1 + 111)))^{1+1}) - 11 \\
&:= (((((222 + 2)/2) + 2)^2) - (22/2)) \\
&:= 3/3 + ((333 \times ((33 + 3) + 3)) - 3) \\
&:= ((4^4 - 44)/4) \times (4^4 - 44/4) \\
&:= 5 + ((5 \times ((5 \times 5) - 555) + 5^5)) + 5 \\
&:= (6 \times ((6 \times (6 \times (66 - 6))) + 6)) - (66/6) \\
&:= 7 \times ((77 \times (7 + 7)) + 777) \\
&:= 8/8 + (8888 + (8 \times (8 \times 8 \times 8))) \\
&:= (999 \times ((99 + 9 + 9)/9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12986 &:= 1 + (((1 + (1 + (1 + 111)))^{1+1}) - 11) \\
&:= 2 + (2 \times ((2 \times 2222) + (2^{22/2}))) \\
&:= (333 \times ((33 + 3) + 3)) - 3/3 \\
&:= (44 - 4/4) \times (((4 + 4)/4 + 4^4) + 44) \\
&:= (55/5) + (5 \times (((5 \times 5) - 555) + 5^5)) \\
&:= ((6 - 66)/6) + (6 \times ((6 \times (6 \times (66 - 6))) + 6)) \\
&:= 7/7 + (7 \times ((77 \times (7 + 7)) + 777)) \\
&:= ((8 + 8)/8) + (8888 + (8 \times (8 \times 8 \times 8))) \\
&:= (999 \times ((99 + 9 + 9)/9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12987 &:= 111 \times (111 + ((1 + 1) \times (1 + 1 + 1))) \\
&:= (222/2) \times (((22/2)^2) - (2 + 2)) \\
&:= 333 \times ((33 + 3) + 3) \\
&:= (444/4) \times (((444 + 4) + 4)/4 + 4) \\
&:= (555/5) \times (((555 + 5)/5) + 5) \\
&:= (666/6) \times ((666/6) + 6) \\
&:= (777/7) \times (((777 - 7)/7) + 7) \\
&:= (888/8) \times ((8 \times (8 + 8)) - 88/8) \\
&:= 999 \times ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12988 &:= 1 + (111 \times (111 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= (2 \times 222) + (((222 + 2)/2)^2) \\
&:= 3/3 + (333 \times ((33 + 3) + 3)) \\
&:= 44 + ((44 \times (44 + 4^4)) - 4^4) \\
&:= (5 - 5/5) \times (((555 + 55)/5) + 5^5) \\
&:= 6/6 + ((666/6) \times ((666/6) + 6)) \\
&:= 7/7 + ((777/7) \times (((777 - 7)/7) + 7)) \\
&:= 888 + (((888 - 8)/8)^{(8+8)/8}) \\
&:= 9/9 + (999 \times ((99 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12989 &:= ((1 + 1 + 11) \times ((11 - 1)^{1+1+1})) - 11 \\
&:= 222 + (((222/2) + 2)^2) - 2 \\
&:= 3 + ((333 \times ((33 + 3) + 3)) - 3/3) \\
&:= 4 + (((4^4 - 44)/4) \times (4^4 - 44/4)) \\
&:= (5 \times (5 \times ((5^5 - 5)/(5/5 + 5))) - (55/5)) \\
&:= (6 \times ((6 \times (6 \times (66 - 6))) + 6)) - (6/6 + 6) \\
&:= (((((7 + 7)/7)^7) - (7 + 7))^{(7+7)/7}) - 7 \\
&:= 8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) - 88/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) + (99/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12990 &:= 1 + (((1 + 1 + 11) \times ((11 - 1)^{1+1+1})) - 11) \\
&:= (((((222 + 2)/2) + 2)^2) - (2 + 2 + 2)) \\
&:= 3 + (333 \times ((33 + 3) + 3)) \\
&:= 4 + ((44 - 4/4) \times (((4 + 4)/4 + 4^4) + 44)) \\
&:= (5 + 5) \times (((5 - 5/5)^5) + (5 \times 55)) \\
&:= (6 \times ((6 \times (6 \times (66 - 6))) + 6)) - 6 \\
&:= 7 + ((7 \times ((77 \times (7 + 7)) + 777)) - ((7 + 7)/7)) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) - ((8 + 8)/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) - 9)) + ((99 + 9)/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12991 &:= 1111 + (((111 - (1 + 1))^{1+1}) - 1) \\
&:= 222 + (((222/2) + 2)^2) \\
&:= 3 + ((333 \times ((33 + 3) + 3)) + 3/3) \\
&:= (4 \times 4^4) + ((44 \times ((4 \times 4) + 4^4)) - 4/4) \\
&:= (55/5) \times (((5^5 + 5)/5) + 555) \\
&:= 6/6 + ((6 \times ((6 \times (6 \times (66 - 6))) + 6)) - 6) \\
&:= 7 + ((7 \times ((77 \times (7 + 7)) + 777)) - 7/7) \\
&:= (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) - 8/8 \\
&:= (9 \times 99) + (((99/9) + 99)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12992 &:= 1111 + ((111 - (1 + 1))^{1+1}) \\
&:= (((222 + 2)/2 + 2)^2) - (2 + 2) \\
&:= 3 + (((333 \times ((33 + 3) + 3)) - 3/3) + 3) \\
&:= 4 \times ((44 \times ((4 \times (4 \times 4)) + 4)) + 4^4) \\
&:= ((555/5) + 5) \times ((555 + 5)/5) \\
&:= ((6 + 6)/6) + ((6 \times ((6 \times (6 \times (66 - 6))) + 6)) - 6) \\
&:= 7 + (7 \times ((77 \times (7 + 7)) + 777)) \\
&:= 8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88) \\
&:= ((999 + 9)/9) \times (((99 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12993 &:= ((1 + (1 + (1 + 111)))^{1+1}) - (1 + 1 + 1) \\
&:= 2 + (((222/2) + 2)^2) + 222 \\
&:= 3 + ((333 \times ((33 + 3) + 3)) + 3) \\
&:= 4/4 + ((44 \times ((4 \times 4) + 4^4)) + (4 \times 4^4)) \\
&:= 5 + ((5 - 5/5) \times (((555 + 55)/5) + 5^5)) \\
&:= 6 + ((666/6) \times ((666/6) + 6)) \\
&:= 7 + ((7 \times ((77 \times (7 + 7)) + 777)) + 7/7) \\
&:= 8/8 + (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (((999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12994 &:= ((1 + (1 + (1 + 111)))^{1+1}) - (1 + 1) \\
&:= (((222 + 2)/2 + 2)^2) - 2 \\
&:= 3 + (((333 \times ((33 + 3) + 3)) + 3/3) + 3) \\
&:= ((4 + 4)/4) \times (((4 - 4/4) + 4^4) + ((4 + 4)^4)) \\
&:= (5 \times (5 \times ((5^5 - 5)/(5/5 + 5)))) - (5/5 + 5) \\
&:= (6 \times ((6 \times (6 \times (66 - 6))) + 6)) - ((6 + 6)/6) \\
&:= 7 + ((777/7) \times (((777 - 7)/7) + 7)) \\
&:= ((8 + 8)/8) \times (((88/8) - 8)^8) - (8 \times 8) \\
&:= 9 + ((999 \times ((99 + 9 + 9)/9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12995 &:= ((1 + (1 + (1 + 111)))^{1+1}) - 1 \\
&:= (((222 + 2)/2 + 2)^2) - 2/2 \\
&:= (((333/3) + 3)^{3-3/3}) - 3/3 \\
&:= (4/4 + 4) \times (((4^4 + 4) \times (44 - 4)) - 4/4) \\
&:= (5 \times (5 \times ((5^5 - 5)/(5/5 + 5)))) - 5 \\
&:= (6 \times ((6 \times (6 \times (66 - 6))) + 6)) - 6/6 \\
&:= (((7 + 7)/7)^7) - (7 + 7)^{(7+7)/7} - 7/7 \\
&:= 8 + ((888/8) \times ((8 \times (8 + 8)) - 88/8)) \\
&:= 9 + ((999 \times ((99 + 9 + 9)/9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12996 &:= (1 + (1 + (1 + 111)))^{1+1} \\
&:= (((222 + 2)/2 + 2)^2) \\
&:= ((333/3) + 3)^{3-3/3} \\
&:= (((444 - 4)/4) + 4)^{(4+4)/4} \\
&:= ((5 \times 5 \times 5) - (55/5))^{(5+5)/5} \\
&:= 6 \times ((6 \times (6 \times (66 - 6))) + 6) \\
&:= (((7 + 7)/7)^7) - (7 + 7)^{(7+7)/7} \\
&:= (((888 + 88)/8) - 8)^{(8+8)/8} \\
&:= 9 + (999 \times ((99 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12997 &:= 1 + ((1 + (1 + (1 + 111)))^{1+1}) \\
&:= 2/2 + (((222 + 2)/2 + 2)^2) \\
&:= 3/3 + (((333/3) + 3)^{3-3/3}) \\
&:= 4/4 + (((444 - 4)/4) + 4)^{(4+4)/4} \\
&:= 5 + (((555/5) + 5) \times ((555 + 5)/5)) \\
&:= 6/6 + (6 \times ((6 \times (6 \times (66 - 6))) + 6)) \\
&:= 7/7 + (((7 + 7)/7)^7) - (7 + 7)^{(7+7)/7} \\
&:= 8/8 + (((888 + 88)/8) - 8)^{(8+8)/8} \\
&:= 9 + ((999 \times ((99 + 9 + 9)/9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12998 &:= 1 + (1 + ((1 + (1 + (1 + 111)))^{1+1})) \\
&:= 2 + (((222 + 2)/2 + 2)^2) \\
&:= (33/3) + (333 \times ((33 + 3) + 3)) \\
&:= 4 + (((4 + 4)/4) \times (((4 - 4/4) + 4^4) + ((4 + 4)^4))) \\
&:= (5 \times (5 \times ((5^5 - 5)/(5/5 + 5)))) - ((5 + 5)/5) \\
&:= ((6 + 6)/6) + (6 \times ((6 \times (6 \times (66 - 6))) + 6)) \\
&:= 777 + ((77/7) \times (7777/7)) \\
&:= 8 + ((8 \times (8 \times 8 \times (8 + 8 + 8)) + 88)) - ((8 + 8)/8) \\
&:= (99/9) + (999 \times ((99 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 12999 &:= 1 + (1 + (1 + ((1 + (1 + (1 + 111)))^{1+1}))) \\
&:= 2 + (((222 + 2)/2 + 2)^2) + 2/2 \\
&:= 3 + (((333/3) + 3)^{3-3/3}) \\
&:= (4 - 4/4) \times (4444 - (444/4)) \\
&:= ((55/5 + 5) + 5) \times (((5^5 - 5)/5) - 5) \\
&:= 6 + (((666/6) \times ((666/6) + 6)) + 6) \\
&:= 7 + ((7 \times ((77 \times (7 + 7)) + 777)) + 7) \\
&:= 8 + ((8 \times (8 \times 8 \times (8 + 8 + 8)) + 88)) - 8/8 \\
&:= 99 + ((9/9 + 99) \times (((999/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13000 &:= (1 + 1 + 11) \times ((11 - 1)^{1+1+1}) \\
&:= 2 + (((222 + 2)/2 + 2)^2) + 2 \\
&:= (((3 \times 3) + 3/3) + 3) \times (((3 \times 3) + 3/3)^3) \\
&:= (4^4 + 4) \times (((4 + 4)/4) + 44) + 4 \\
&:= 5 \times (5 \times ((5^5 - 5)/(5/5 + 5))) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - 6))) + 6)) - ((6 + 6)/6) \\
&:= (7/7 + 7) \times (((77 \times (7 + 7 + 7)) + 7/7) + 7) \\
&:= 8 + (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) \\
&:= ((99 + 9 + 9)/9) \times (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13001 &:= 1 + ((1 + 1 + 11) \times ((11 - 1)^{1+1+1})) \\
&:= 2 + ((((((222 + 2)/2) + 2)^2) + 2/2) + 2) \\
&:= 3 + ((333 \times ((33 + 3) + 3)) + (33/3)) \\
&:= 4/4 + ((4^4 + 4) \times (((4 + 4)/4) + 44) + 4) \\
&:= 5 + (((5 \times 5 \times 5) - (55/5))^{(5+5)/5}) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) + 6)) - 6/6) \\
&:= 7 + (((777/7) \times (((777 - 7)/7) + 7)) + 7) \\
&:= 8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) + 8/8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - ((999 + 9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13002 &:= 1 + (1 + ((1 + 1 + 11) \times ((11 - 1)^{1+1+1}))) \\
&:= 2 + ((((((222 + 2)/2) + 2)^2) + 2) + 2) \\
&:= 3 + (((((333/3) + 3)^{3-3/3}) + 3) \\
&:= ((4 + 4)/4) + ((4^4 + 4) \times (((4 + 4)/4) + 44) + 4) \\
&:= ((5 + 5)/5) + (5 \times (5 \times ((5^5 - 5)/(5/5 + 5))) \\
&:= 6 + (6 \times ((6 \times (6 \times (66 - 6))) + 6)) \\
&:= 77/7 \times (((7 + 7) \times (77 + 7)) - 7/7) + 7) \\
&:= 8 + (((8 + 8)/8) \times (((88/8) - 8)^8) - (8 \times 8)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13003 &:= 1 + (1 + (1 + ((1 + 1 + 11) \times ((11 - 1)^{1+1+1})))) \\
&:= ((((((222/2) + 2) + 2)^2) - 222) \\
&:= 3 + (((3 \times 3) + 3/3) + 3) \times (((3 \times 3) + 3/3)^3) \\
&:= 4 + ((4 - 4/4) \times (4444 - (444/4))) \\
&:= 5 + ((5 \times (5 \times ((5^5 - 5)/(5/5 + 5)))) - ((5 + 5)/5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) + 6)) + 6/6) \\
&:= 7 + ((((((7 + 7)/7)^7) - (7 + 7))^{(7+7)/7}) \\
&:= 88/8 + (8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) \\
&:= ((9 - 999)/9) + ((9 \times (9 \times (9 \times (9 + 9)))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13004 &:= 11 + (((1 + (1 + (1 + 111)))^{1+1}) - (1 + 1 + 1)) \\
&:= (2 \times (2 + 2)) + ((((((222 + 2)/2) + 2)^2) \\
&:= ((3^3 - 3)^3) + (((3^{3 \times 3}) - 3)/(3 - 3^3)) \\
&:= 4 + ((4^4 + 4) \times (((4 + 4)/4) + 44) + 4) \\
&:= (5 - 5/5) \times (((5 \times 5 \times 5) + 5^5) + 5/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) + 6)) + ((6 + 6)/6)) \\
&:= 7 + ((((((7 + 7)/7)^7) - (7 + 7))^{(7+7)/7}) + 7/7) \\
&:= 8 + (((888 + 88)/8) - 8)^{(8+8)/8} \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (((9/9 + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13005 &:= 11 + (((1 + (1 + (1 + 111)))^{1+1}) - (1 + 1)) \\
&:= 2 + ((((((222/2) + 2) + 2)^2) - 222) \\
&:= 3 \times (((3 + 3) \times ((3^{3+3}) - (3 + 3))) - 3) \\
&:= (4^4 - 4/4) \times (((44 - 4/4) + 4) + 4) \\
&:= 5 + (5 \times (5 \times ((5^5 - 5)/(5/5 + 5))) \\
&:= ((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) + (6 \times 6)) \\
&:= ((7/7 + 77) + 7) \times ((77 - 7/7) + 77) \\
&:= (8/8 + 8 + 8) \times (((8 \times (88 + 8)) - 88/8) + 8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (99 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13006 &:= 11 + (((1 + (1 + (1 + 111)))^{1+1}) - 1) \\
&:= 2 + ((((((222 + 2)/2) + 2)^2) + (2 \times (2 + 2))) \\
&:= 3/3 + (3 \times (((3 + 3) \times ((3^{3+3}) - (3 + 3))) - 3)) \\
&:= 4/4 + ((4^4 - 4/4) \times (((44 - 4/4) + 4) + 4)) \\
&:= 5 + (((5 \times 5 \times 5) - (55/5))^{(5+5)/5}) + 5) \\
&:= ((66 - 6)/6) + (6 \times ((6 \times (6 \times (66 - 6))) + 6)) \\
&:= 77 + (((77 + 7) \times (77 + 77)) - 7) \\
&:= 8 + (((8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) - ((8 + 8)/8)) + 8) \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9)))) - (99 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13007 &:= 11 + ((1 + (1 + (1 + 111)))^{1+1}) \\
&:= (22/2) + (((222 + 2)/2) + 2)^2) \\
&:= (33/3) + (((333/3) + 3)^{3-3/3}) \\
&:= (44 \times ((4^4 - 4) + 44)) - ((4 \times 4) + 4/4) \\
&:= 5 + ((5 \times (5 \times ((5^5 - 5)/(5/5 + 5)))) + ((5 + 5)/5)) \\
&:= (66/6) + (6 \times ((6 \times (6 \times (66 - 6))) + 6)) \\
&:= (7 \times (7 \times (7 + 7))) + ((777/7)^{(7+7)/7}) \\
&:= 8 + (((8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) - 8/8) + 8) \\
&:= 9 + ((999 \times ((99 + 9 + 9)/9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13008 &:= 1 + (11 + ((1 + (1 + (1 + 111)))^{1+1})) \\
&:= (2 \times (2 + 2 + 2)) + ((((((222 + 2)/2) + 2)^2) \\
&:= 3 + (3 \times (((3 + 3) \times ((3^{3+3}) - (3 + 3))) - 3)) \\
&:= (4 + 4 + 4) \times ((4 \times (4^4 + 4)) + 44) \\
&:= (5 - 5/5) \times (((5 \times 5 \times 5) + ((5 + 5)/5)) + 5^5) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) + 6)) + 6) \\
&:= ((77 + 7)/7) \times (((77 \times (7 + 7)) - 7/7) + 7) \\
&:= 8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) + 8) \\
&:= ((99 + 9)/9) \times (9999/9 - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13009 &:= 1 + (1 + (11 + ((1 + (1 + (1 + 111)))^{1+1}))) \\
&:= 2 + ((((((222 + 2)/2) + 2)^2) + (22/2)) \\
&:= 3 + (3 \times (((3 + 3) \times ((3^{3+3}) - (3 + 3))) - 3)) + 3/3) \\
&:= 4 + ((4^4 - 4/4) \times (((44 - 4/4) + 4) + 4)) \\
&:= 5 + ((5 - 5/5) \times (((5 \times 5 \times 5) + 5^5) + 5/5)) \\
&:= 6 + (((6 \times ((6 \times (6 \times (66 - 6))) + 6)) + 6/6) + 6) \\
&:= 7 + ((77/7) \times (((7 + 7) \times (77 + 7)) - 7/7) + 7) \\
&:= 8 + (((8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) + 8/8) + 8) \\
&:= 9 + (((99 + 9 + 9)/9) \times (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13010 &:= 1 + (1 + (1 + (11 + ((1 + (1 + (1 + 111)))^{1+1})))) \\
&:= (2^{2+2}) + ((((((222 + 2)/2) + 2)^2) - 2) \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3 - 33) + 3) \\
&:= ((4 + 4)/4) + ((4 + 4 + 4) \times ((4 \times (4^4 + 4)) + 44)) \\
&:= (5 + 5) \times (((5/5 + 5)^{5-5/5}) + 5) \\
&:= ((66 - 6)/6) \times (((6 \times 6 \times 6 \times 6) - 6/6) + 6) \\
&:= 7 + ((((((7 + 7)/7)^7) - (7 + 7))^{(7+7)/7}) + 7) \\
&:= ((8 + 8)/8) \times (((88/8) - 8)^8) - (8 \times 8) + 8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - ((999 + 9)/9)
\end{aligned}$$

- ▶ **13011** := $11 + ((1 + 1 + 11) \times ((11 - 1)^{1+1+1}))$
:= $(22^2/2) + (((222/2) + 2)^2)$
:= $(3 \times ((3 + 3) \times ((3^{3+3}) - (3 + 3)))) - 3$
:= $((44 + 4) \times ((4 \times 4) + 4^4)) - (44 + 4/4)$
:= $5/5 + ((5 + 5) \times (((5/5 + 5)^{5-5/5}) + 5))$
:= $6 + (((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) + (6 \times 6)))$
:= $77 + (((7 + 7)/7) \times ((77 \times (77 + 7)) - 7/7))$
:= $8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) + (88/8))$
:= $(9 \times (9 \times (9 \times (9 + 9)))) - (999/9)$
- ▶ **13012** := $((1 + 1 + 11) \times (1 + ((11 - 1)^{1+1+1}))) - 1$
:= $(2^{2+2}) + (((222 + 2)/2) + 2)^2$
:= $3/3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - (3 + 3)))) - 3)$
:= $((44 + 4) \times ((4 \times 4) + 4^4)) - 44$
:= $5 \times 5 + ((555/5) \times (((555 + 5)/5) + 5))$
:= $6 + ((6 \times ((6 \times (6 \times (66 - 6))) + 6)) + ((66 - 6)/6))$
:= $77 + (((77 + 7) \times (77 + 77)) - 7/7)$
:= $8 + (((((888 + 88)/8) - 8)^{(8+8)/8}) + 8)$
:= $((9 - 999)/9) + (9 \times (9 \times (9 + 9)))$
- ▶ **13013** := $(1 + 1 + 11) \times (1 + ((11 - 1)^{1+1+1}))$
:= $2 + (((222/2) + 2)^2) + (22^2/2)$
:= $(3 \times ((3 + 3) \times ((3^{3+3}) - (3 + 3)))) - 3/3$
:= $(44 \times ((4^4 - 4) + 44)) - (44/4)$
:= $5 + ((5 - 5/5) \times (((5 \times 5 \times 5) + ((5 + 5)/5)) + 5^5))$
:= $6 + ((6 \times ((6 \times (6 \times (66 - 6))) + 6)) + (66/6))$
:= $77 + ((77 + 7) \times (77 + 77))$
:= $(88/8) \times (((8888/8) + (8 \times 8)) + 8)$
:= $(9 \times (9 \times (9 \times (9 + 9)))) - ((9/9 + 99) + 9)$
- ▶ **13014** := $1 + ((1 + 1 + 11) \times (1 + ((11 - 1)^{1+1+1})))$
:= $(22^2 - 2) \times (((22 + 2/2) + 2) + 2)$
:= $3 \times ((3 + 3) \times ((3^{3+3}) - (3 + 3)))$
:= $((4 - 44)/4) + (44 \times ((4^4 - 4) + 44))$
:= $5^5 + (((5 + 5)^{5-5/5}) - (555/5))$
:= $(6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) - 6)$
:= $7/7 + (((77 + 7) \times (77 + 77)) + 77)$
:= $((((8 + 8)/8) + 8) + 8) \times (((88/8) + (8 \times 88)) + 8)$
:= $(9 \times (9 \times (9 \times (9 + 9)))) - (99 + 9)$
- ▶ **13015** := $1 + (1 + ((1 + 1 + 11) \times (1 + ((11 - 1)^{1+1+1}))))$
:= $2 + (((((222/2) + 2)^2) + (22^2/2)) + 2)$
:= $3/3 + (3 \times ((3 + 3) \times ((3^{3+3}) - (3 + 3))))$
:= $(44 \times ((4^4 - 4) + 44)) - ((4/4 + 4) + 4)$
:= $5 + ((5 + 5) \times (((5/5 + 5)^{5-5/5}) + 5))$
:= $66 + ((6 \times (6 \times (6 \times (66 - 6)))) - (66/6))$
:= $(((77 + 7)/7) + 7) \times ((7 \times (7 \times (7 + 7))) - 7/7)$
:= $((88/8) + 8) \times ((8 \times 88) - ((88/8) + 8))$
:= $9/9 + ((9 \times (9 \times (9 \times (9 + 9)))) - (99 + 9))$
- ▶ **13016** := $((1 + 1) \times (11 - 1)) + ((1 + (1 + (1 + 111)))^{1+1})$
:= $22 + (((((222 + 2)/2) + 2)^2) - 2)$
:= $3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - (3 + 3)))) - 3/3)$
:= $(44 \times ((4^4 - 4) + 44)) - (4 + 4)$
:= $(5 - 5/5) \times (((5 \times 5 \times 5) - 5/5) + 5^5) + 5$
:= $6 + (((66 - 6)/6) \times (((6 \times 6 \times 6 \times 6) - 6/6) + 6))$
:= $(7 \times (7 \times (7 \times 7 \times 7 - 77))) - (77/7 + 7)$
:= $88 + ((8 + 8) \times ((888 - 88) + 8))$
:= $((9 + 9)/9) + ((9 \times (9 \times (9 \times (9 + 9)))) - (99 + 9))$
- ▶ **13017** := $11 + (11 + (((1 + (1 + (1 + 111)))^{1+1}) - 1))$
:= $22 + (((((222 + 2)/2) + 2)^2) - 2/2)$
:= $3 + (3 \times ((3 + 3) \times ((3^{3+3}) - (3 + 3))))$
:= $4 + ((44 \times ((4^4 - 4) + 44)) - 44/4)$
:= $5 \times 5 + (((555/5) + 5) \times ((555 + 5)/5))$
:= $6 \times 6 + (((666/6) \times ((666/6) + 6)) - 6)$
:= $7 + ((((((7 + 7)/7)^7) - (7 + 7))^{(7+7)/7}) + 7) + 7)$
:= $(8 \times 88) + (((888/8)^{(8+8)/8}) - 8)$
:= $((9 + 9 + 9)/9) + ((9 \times (9 \times (9 \times (9 + 9)))) - (99 + 9))$
- ▶ **13018** := $11 + (11 + ((1 + (1 + (1 + 111)))^{1+1}))$
:= $22 + (((((222 + 2)/2) + 2)^2)$
:= $3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - (3 + 3)))) + 3/3)$
:= $(44 \times ((4^4 - 4) + 44)) - (((4 + 4)/4) + 4)$
:= $((5 \times 5) - ((5 + 5)/5)) \times (555 + (55/5))$
:= $((((6 + 6)/6)^6) + ((6 \times (6 \times (6 \times (66 - 6)))) - 6)$
:= $(7 \times (7 \times (7 \times 7 \times 7 - 77))) - (((7 + 7)/7 + 7) + 7)$
:= $(((8 + 8)/8) \times (((888/8) - 8)^8) - 8)$
:= $9 + (((99 + 9 + 9)/9) \times (999 + 9/9)) + 9)$
- ▶ **13019** := $1 + (11 + (11 + ((1 + (1 + (1 + 111)))^{1+1})))$
:= $22 + (((((222 + 2)/2) + 2)^2) + 2/2)$
:= $33 + ((333 \times ((33 + 3) + 3)) - 3/3)$
:= $(44 \times ((4^4 - 4) + 44)) - (4/4 + 4)$
:= $(5 \times (((5 \times 5^5) + 5)/(5/5 + 5))) - (5/5 + 5)$
:= $((66 - 6) \times ((6 \times 6 \times 6) + 6/6)) - 6/6$
:= $(7 \times (7 \times (7 \times 7 \times 7 - 77))) - ((7/7 + 7) + 7)$
:= $8 + ((8 \times ((8 \times 8 \times (8 + 8 + 8)) + 88)) + (88/8)) + 8)$
:= $9 + ((9 \times (9 \times (9 \times (9 + 9)))) - ((999 + 9)/9))$
- ▶ **13020** := $(1 + 11) \times (1111 - ((1 + 1) \times (1 + 1 + 11)))$
:= $2 + (((((222 + 2)/2) + 2)^2) + 22)$
:= $33 + (333 \times ((33 + 3) + 3))$
:= $(44 \times ((4^4 - 4) + 44)) - 4$
:= $5 \times (((5 \times 5^5) - 5/5)/(5/5 + 5))$
:= $(66 - 6) \times ((6 \times 6 \times 6) + 6/6)$
:= $(77 + 7) \times (7/7 + 77 + 77)$
:= $((8 - 8/8) + 8) \times (888 - (((88 + 8)/8) + 8))$
:= $9 + ((9 \times (9 \times (9 \times (9 + 9)))) - (999/9))$

$$\begin{aligned}
\blacktriangleright 13021 &:= 1 + ((1 + 11) \times (1111 - ((1 + 1) \times (1 + 1 + 11)))) \\
&:= 2 + ((((((222 + 2)/2) + 2)^2) + 22) + 2/2) \\
&:= 3/3 + (((333 \times ((33 + 3) + 3)) + 33) \\
&:= 4/4 + ((44 \times ((4^4 - 4) + 44)) - 4) \\
&:= 5 \times 5 + (((5 \times 5 \times 5) - (55/5))^{(5+5)/5}) \\
&:= 6/6 + ((66 - 6) \times ((6 \times 6 \times 6) + 6/6)) \\
&:= 7/7 + ((77 + 7) \times (7/7 + 77 + 77)) \\
&:= 8 + ((88/8) \times (((8888/8) + (8 \times 8)) + 8)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - ((9 + 9)/9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13022 &:= 11 + (11 + ((1 + 1 + 11) \times ((11 - 1)^{1+1+1}))) \\
&:= 222 + (2 \times ((2 \times (2 \times (22 - 2)))^2)) \\
&:= (3 \times (((3 + 3) \times (3^{3+3})) - 33)) - 3/3 \\
&:= (44 \times ((4^4 - 4) + 44)) - ((4 + 4)/4) \\
&:= ((5 + 5)/5) + (5 \times (((5 \times 5^5) - 5/5)/(5/5 + 5))) \\
&:= ((6 + 6)/6) + ((66 - 6) \times ((6 \times 6 \times 6) + 6/6)) \\
&:= (((77 - 7)/7) + 7) \times (777 - (77/7)) \\
&:= (8/8 + 8 + 8) \times ((8 \times (88 + 8)) - ((8 + 8)/8)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13023 &:= 11 + (((1 + 1 + 11) \times (1 + ((11 - 1)^{1+1+1}))) - 1) \\
&:= (2^{2 \times (2+2)}) + (((222/2) + 2)^2) - 2) \\
&:= 3 \times (((3 + 3) \times (3^{3+3})) - 33) \\
&:= (44 \times ((4^4 - 4) + 44)) - 4/4 \\
&:= (5 \times (((5 \times 5^5) + 5)/(5/5 + 5))) - ((5 + 5)/5) \\
&:= 6 \times 6 + ((666/6) \times ((666/6) + 6)) \\
&:= (7 \times (7 \times (7 \times 7 \times 7 - 77))) - (77/7) \\
&:= (88 \times (888/8 - ((8 + 8)/8))) - 8/8 \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13024 &:= 11 + ((1 + 1 + 11) \times (1 + ((11 - 1)^{1+1+1}))) \\
&:= 22 \times (((22 + 2)^2) + (2^{2+2})) \\
&:= 3/3 + (3 \times (((3 + 3) \times (3^{3+3})) - 33)) \\
&:= 44 \times ((4^4 - 4) + 44) \\
&:= (5 \times (((5 \times 5^5) + 5)/(5/5 + 5))) - 5/5 \\
&:= (((6 + 6)/6)^6) + (6 \times (6 \times (6 \times (66 - 6)))) \\
&:= (7/7 + 7) \times ((77 \times (7 + 7 + 7)) + (77/7)) \\
&:= 88 \times (888/8 - ((8 + 8)/8)) \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9)))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13025 &:= ((1 + 1 + 11) \times (1 + (1 + ((11 - 1)^{1+1+1})))) - 1 \\
&:= (2^{2 \times (2+2)}) + (((222/2) + 2)^2) \\
&:= 3 + ((3 \times (((3 + 3) \times (3^{3+3})) - 33)) - 3/3) \\
&:= 4/4 + (44 \times ((4^4 - 4) + 44)) \\
&:= 5 \times (((5 \times 5^5) + 5)/(5/5 + 5)) \\
&:= 66 + ((6 \times (6 \times (6 \times (66 - 6)))) - 6/6) \\
&:= (7 \times (7 \times (7 \times 7 \times 7 - 77))) - ((7 + 7)/7 + 7) \\
&:= (8 \times 88) + ((888/8)^{(8+8)/8}) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times (9 \times (9 + 9)))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13026 &:= (1 + 1 + 11) \times (1 + (1 + ((11 - 1)^{1+1+1}))) \\
&:= 2 + (22 \times (((22 + 2)^2) + (2^{2+2}))) \\
&:= 3 + (3 \times (((3 + 3) \times (3^{3+3})) - 33)) \\
&:= ((4 + 4)/4) + (44 \times ((4^4 - 4) + 44)) \\
&:= 5/5 + (5 \times (((5 \times 5^5) + 5)/(5/5 + 5))) \\
&:= 66 + (6 \times (6 \times (6 \times (66 - 6)))) \\
&:= (7 \times (7 \times (7 \times 7 \times 7 - 77))) - (7/7 + 7) \\
&:= (((8 + 8)/8) \times (((88/8) - 8)^8)) - (88 + 8) \\
&:= ((9 + 9 + 9)/9) + ((9 \times (9 \times (9 \times (9 + 9)))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13027 &:= 1 + ((1 + 1 + 11) \times (1 + (1 + ((11 - 1)^{1+1+1})))) \\
&:= 2 + (((222/2) + 2)^2) + (2^{2 \times (2+2)}) \\
&:= 3 + ((3 \times (((3 + 3) \times (3^{3+3})) - 33)) + 3/3) \\
&:= 4 + ((44 \times ((4^4 - 4) + 44)) - 4/4) \\
&:= ((5 + 5)/5) + (5 \times (((5 \times 5^5) + 5)/(5/5 + 5))) \\
&:= 66 + ((6 \times (6 \times (6 \times (66 - 6)))) + 6/6) \\
&:= (7 \times (7 \times (7 \times 7 \times 7 - 77))) - 7 \\
&:= (((8 - 8/8) + 8) \times (888 - ((88/8) + 8))) - 8 \\
&:= ((9 - 99)/(9 + 9)) + ((9 \times ((9 \times (9 \times (9 + 9))) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13028 &:= ((11 + 11)^{1+1}) + ((1 + 111)^{1+1}) \\
&:= 22^2 + (((222 + 2)/2)^2) \\
&:= 3^{3 \times 3} + (((33/3)^3) \times (3/3 - (3 + 3))) \\
&:= 4 + (44 \times ((4^4 - 4) + 44)) \\
&:= 5 + ((5 \times (((5 \times 5^5) + 5)/(5/5 + 5))) - ((5 + 5)/5)) \\
&:= 66 + ((6 \times (6 \times (6 \times (66 - 6)))) + ((6 + 6)/6)) \\
&:= 7/7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) - 7) \\
&:= (8 \times (8 \times 88)) + ((88 - ((8 + 8)/8))^{(8+8)/8}) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) - 9)) - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13029 &:= 1 + (((11 + 11)^{1+1}) + ((1 + 111)^{1+1})) \\
&:= 2/2 + (((222 + 2)/2)^2) + 22^2) \\
&:= ((3 \times 3 + 3) \times ((33 \times 33) - 3)) - 3 \\
&:= 4 + ((44 \times ((4^4 - 4) + 44)) + 4/4) \\
&:= 5 + ((5 \times (((5 \times 5^5) + 5)/(5/5 + 5))) - 5/5) \\
&:= ((66 \times 6/(6 + 6)) \times ((6 \times 66) - 6/6)) - 6 \\
&:= ((7 + 7)/7) + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) - 7) \\
&:= (8 \times (8 + 8) + 8/8) \times (8888/88) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) - 9)) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13030 &:= 1 + (1 + (((11 + 11)^{1+1}) + ((1 + 111)^{1+1}))) \\
&:= 2 + (((222 + 2)/2)^2) + 22^2) \\
&:= 3/3 + (((3 \times 3 + 3) \times ((33 \times 33) - 3)) - 3) \\
&:= 4 + ((44 \times ((4^4 - 4) + 44)) + ((4 + 4)/4)) \\
&:= 5 + (5 \times (((5 \times 5^5) + 5)/(5/5 + 5))) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - 6)))) + (((6 + 6)/6)^6)) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) - (77/7)) \\
&:= 8 + ((8/8 + 8 + 8) \times ((8 \times (88 + 8)) - ((8 + 8)/8))) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) - 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13031 &:= (11 \times (11 \times 111)) - (((1+1) \times (11-1))^{1+1}) \\
&:= 2 + (((((222+2)/2)^2) + 22^2) + 2/2) \\
&:= ((3 \times 3 + 3) \times ((33 \times 33) - 3)) - 3/3 \\
&:= 4 + (((44 \times ((4^4 - 4) + 44)) - 4/4) + 4) \\
&:= 5 + ((5 \times (((5 \times 5^5) + 5)/(5/5 + 5))) + 5/5) \\
&:= (6 \times (((6 \times (6 \times (66 - 6))) + 6) + 6)) - 6/6 \\
&:= (7 \times (7 \times (7 \times 7 \times 7 - 77))) - ((7+7+7)/7) \\
&:= ((8/8 + 8 + 8) \times ((8 \times (88 + 8)) - 8/8)) - 8 \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) - 9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13032 &:= (1 + 11) \times (1111 - (1 + (1 + 1) \times (1 + 11))) \\
&:= 2 + (((((222+2)/2)^2) + 22^2) + 2) \\
&:= (3 \times 3 + 3) \times ((33 \times 33) - 3) \\
&:= 4 + ((44 \times ((4^4 - 4) + 44)) + 4) \\
&:= ((55 + 5)/5) \times ((5555/5) - (5 \times 5)) \\
&:= 6 \times (((6 \times (6 \times (66 - 6))) + 6) + 6) \\
&:= (7 \times (7 \times (7 \times 7 \times 7 - 77))) - ((7+7)/7) \\
&:= 8 + (88 \times (888/(8 - ((8+8)/8)))) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13033 &:= 1 + ((1 + 11) \times (1111 - (1 + (1 + 1) \times (1 + 11)))) \\
&:= (2 \times ((22 + 2)^2)) + ((222/2 - 2)^2) \\
&:= 3/3 + ((3 \times 3 + 3) \times ((33 \times 33) - 3)) \\
&:= 4 + (((44 \times ((4^4 - 4) + 44)) + 4/4) + 4) \\
&:= (5 \times 5^5) + (((5/5 + 5)^5)/((5 + 5)/5 - 5)) \\
&:= ((6 - 6/6)^6) - (6 \times (6 \times (66 + 6))) \\
&:= (7 \times (7 \times (7 \times 7 \times 7 - 77))) - 7/7 \\
&:= 8 + (((888/8)^{(8+8)/8}) + (8 \times 88)) \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9))) - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13034 &:= (1 + (11 \times (1 + 11))) \times (111 - 1 - 1 - 11) \\
&:= 2 \times (((2/2 + 2)^{2 \times (2+2)}) - (2 \times 22)) \\
&:= ((33/3) + 3^3) \times ((3/3 + 3 + 3)^3) \\
&:= ((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 44) \\
&:= 555 + (((5 - 5/5) \times (5^5 - 5)) - 5/5) \\
&:= 6/6 + (((6 - 6/6)^6) - (6 \times (6 \times (66 + 6)))) \\
&:= 7 \times (7 \times (7 \times 7 \times 7 - 77)) \\
&:= (((8 + 8)/8) \times (((88/8) - 8)^8)) - 88 \\
&:= ((9 + 9)/9) + ((9 \times (9 \times (9 \times (9 + 9))) - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13035 &:= 11 \times ((11 \times 111) - ((1 + 1 + 1) \times (1 + 11))) \\
&:= 2 + (((222/2 - 2)^2) + (2 \times ((22 + 2)^2))) \\
&:= 3 + ((3 \times 3 + 3) \times ((33 \times 33) - 3)) \\
&:= (44/4) + (44 \times ((4^4 - 4) + 44)) \\
&:= 555 + ((5 - 5/5) \times (5^5 - 5)) \\
&:= (66 \times 6/(6 + 6)) \times ((6 \times 66) - 6/6) \\
&:= 7/7 + (7 \times (7 \times (7 \times 7 \times 7 - 77))) \\
&:= ((8 - 8/8) + 8) \times (888 - ((88/8) + 8)) \\
&:= ((99 + 9)/9) + ((9 \times (9 \times (9 \times (9 + 9)))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13036 &:= 1 + (11 \times ((11 \times 111) - ((1 + 1 + 1) \times (1 + 11)))) \\
&:= 2 + (2 \times (((2/2 + 2)^{2 \times (2+2)}) - (2 \times 22))) \\
&:= 3 + (((3 \times 3 + 3) \times ((33 \times 33) - 3)) + 3/3) \\
&:= 4^4 \times 44 + ((4 \times 444) - 4) \\
&:= 5/5 + (((5 - 5/5) \times (5^5 - 5)) + 555) \\
&:= 6 + (((6 \times (6 \times (6 \times (66 - 6)))) + (((6 + 6)/6)^6)) + 6) \\
&:= ((7 + 7)/7) + (7 \times (7 \times (7 \times 7 \times 7 - 77))) \\
&:= ((88 + 8) \times (8 \times (8 + 8) + 8)) - (((88 + 8)/8) + 8) \\
&:= ((9 - 99)/(9 + 9)) + (9 \times ((9 \times (9 \times (9 + 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13037 &:= ((1 + 1)^{11}) + (11 \times (111 \times (11 - 1 - 1))) \\
&:= ((22/2)^{2+2}) - (((2 \times (22 - 2))^2) + 2) + 2) \\
&:= 3 + (((33/3) + 3^3) \times ((3/3 + 3 + 3)^3)) \\
&:= 4/4 + (((4 \times 444) - 4) + (4^4 \times 44)) \\
&:= 5 + (((55 + 5)/5) \times ((5555/5) - (5 \times 5))) \\
&:= 6 + ((6 \times (((6 \times (6 \times (66 - 6))) + 6) + 6)) - 6/6) \\
&:= ((7 + 7 + 7)/7) + (7 \times (7 \times (7 \times 7 \times 7 - 77))) \\
&:= ((88 + 8) \times (8 \times (8 + 8) + 8)) - ((88/8) + 8) \\
&:= ((9 - (9 \times 9))/(9 + 9)) + (9 \times ((9 \times (9 \times (9 + 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13038 &:= ((1 + 1)^{11}) + (11111 - (11^{1+1})) \\
&:= 2 \times (((2/2 + 2)^{2 \times (2+2)}) - (2 \times 22)) + 2) \\
&:= (3 \times (((3 + 3) \times (3^{3+3})) - 3^3)) - 3 \\
&:= 4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 44)) \\
&:= ((555/5) - 5) \times ((5 \times 5 \times 5) - ((5 + 5)/5)) \\
&:= 6 + (6 \times (((6 \times (6 \times (66 - 6))) + 6) + 6)) \\
&:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) - (7 + 7) \\
&:= ((8 + 8)/8) \times (((8 \times (8 \times 88)) - 8/8) + 888) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) - 9)) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13039 &:= (1 + 1 + 11) \times (1 + (1 + (1 + ((11 - 1)^{1+1+1})))) \\
&:= ((22/2)^{2+2}) - (((2 \times (22 - 2))^2) + 2) \\
&:= 3/3 + ((3 \times (((3 + 3) \times (3^{3+3})) - 3^3)) - 3) \\
&:= 4^4 \times 44 + ((4 \times 444) - 4/4) \\
&:= 555 + ((5 - 5/5) \times ((5/5 - 5) + 5^5)) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (6 \times (66 + 6)))) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) - ((7 + 7)/7)) \\
&:= (8/8 + 8 + 8) \times ((8 \times (88 + 8)) - 8/8) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) - 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13040 &:= 1 + ((1 + 1 + 11) \times (1 + (1 + (1 + ((11 - 1)^{1+1+1})))) \\
&:= 2 \times ((22 - 2) \times (((2^{2+2}) + 2)^2) + 2) \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3) - 3^3) \\
&:= 4^4 \times 44 + (4 \times 444) \\
&:= 5 + (((5 - 5/5) \times (5^5 - 5)) + 555) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (6 \times (66 + 6)))) + 6/6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) - 7/7) \\
&:= (8 + 8) \times ((888/8) + (8 \times 88)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13041 &:= ((1+1+1)^{1+1+1}) \times (((11+11)^{1+1}) - 1) \\
&:= ((22/2)^{2+2}) - ((2 \times (22-2))^2) \\
&:= 3 \times (((3+3) \times (3^{3+3})) - 3^3) \\
&:= 4/4 + (4^4 \times 44 + (4 \times 444)) \\
&:= ((55/5+5)+5) \times (((5^5+5)/5) - 5) \\
&:= 6 + ((66 \times 6/(6+6)) \times ((6 \times 66) - 6/6)) \\
&:= 7 + (7 \times (7 \times (7 \times 7 \times 7 - 77))) \\
&:= 8/8 + ((8+8) \times ((888/8) + (8 \times 88))) \\
&:= 9 \times ((9 \times (9 \times (9+9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13042 &:= 1 + (((1+1+1)^{1+1+1}) \times (((11+11)^{1+1}) - 1)) \\
&:= 2 + (((((222+2)/2) + 2)^2) + 2 \times 22) \\
&:= 3/3 + (3 \times (((3+3) \times (3^{3+3})) - 3^3)) \\
&:= ((4+4)/4) + (4^4 \times 44 + (4 \times 444)) \\
&:= 55 + ((555/5) \times (((555+5)/5) + 5)) \\
&:= ((66-6)/6) + (6 \times (((6 \times (6 \times (66-6))) + 6) + 6)) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) + 7/7) \\
&:= 8 + (((8+8)/8) \times (((88/8) - 8^8)) - 88) \\
&:= 9/9 + (9 \times ((9 \times (9 \times (9+9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13043 &:= ((1+11) \times (1111 - ((1+1) \times (1+11)))) - 1 \\
&:= 2 + (((22/2)^{2+2}) - ((2 \times (22-2))^2)) \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) - 3^3)) \\
&:= 4 + (((4 \times 444) - 4/4) + (4^4 \times 44)) \\
&:= 5 + (((555/5) - 5) \times ((5 \times 5 \times 5) - ((5+5)/5))) \\
&:= (66/6) + (6 \times (((6 \times (6 \times (66-6))) + 6) + 6)) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) + (7+7)/7) \\
&:= 8 + (((8-8/8) + 8) \times (888 - ((88/8) + 8))) \\
&:= ((9+9)/9) + (9 \times ((9 \times (9 \times (9+9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13044 &:= (1+11) \times (1111 - ((1+1) \times (1+11))) \\
&:= 2 \times (((22-2) \times (((2^{2+2}) + 2)^2) + 2) + 2) \\
&:= 3 + (3 \times (((3+3) \times (3^{3+3})) - 3^3)) \\
&:= 4 + (4^4 \times 44 + (4 \times 444)) \\
&:= 555 + ((5 \times 5^5) - ((55/5) + 5^5)) \\
&:= 6 + ((6 \times (((6 \times (6 \times (66-6))) + 6) + 6)) + 6) \\
&:= ((77-7)/7) + (7 \times (7 \times (7 \times 7 \times 7 - 77))) \\
&:= ((88+8)/8) \times ((8 \times (8 \times (8+8) + 8)) - 8/8) \\
&:= ((9+9+9)/9) + (9 \times ((9 \times (9 \times (9+9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13045 &:= 1 + ((1+11) \times (1111 - ((1+1) \times (1+11)))) \\
&:= ((2 \times 22)^2) + ((22222/2) - 2) \\
&:= 3 + ((3 \times (((3+3) \times (3^{3+3})) - 3^3)) + 3/3) \\
&:= ((44+4) \times ((4 \times 4) + 4^4)) - (44/4) \\
&:= 5 \times (((5 \times 5^5) - 5/5)/(5/5+5) + 5) \\
&:= 6 + (((6-6/6)^6) - (6 \times (6 \times (66+6)))) + 6) \\
&:= (77/7) + (7 \times (7 \times (7 \times 7 \times 7 - 77))) \\
&:= ((88+8) \times (8 \times (8+8) + 8)) - (88/8) \\
&:= (((9 \times 9) - 9)/(9+9) + (9 \times ((9 \times (9 \times (9+9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13046 &:= 11 \times ((11 \times (111 - (1+1+1))) - (1+1)) \\
&:= 22 \times ((222/2 - 2) + 22^2) \\
&:= (3-3/3) \times (((3^{3+3}) - 33)/3) - 3^3) \\
&:= ((4-44)/4) + ((44+4) \times ((4 \times 4) + 4^4)) \\
&:= 5 + (((55/5+5)+5) \times (((5^5+5)/5) - 5)) \\
&:= (66/6) \times ((66 \times (6+6+6)) - ((6+6)/6)) \\
&:= ((77+7)/7) + (7 \times (7 \times (7 \times 7 \times 7 - 77))) \\
&:= ((8-88)/8) + ((88+8) \times (8 \times (8+8) + 8)) \\
&:= (99/9) \times (((99 \times (99+9)) - (9+9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13047 &:= 1 + (11 \times ((11 \times (111 - (1+1+1))) - (1+1))) \\
&:= ((2 \times 22)^2) + (22222/2) \\
&:= ((3+3) \times ((3 \times ((3^{3+3}) - 3)) - 3)) - 3 \\
&:= (44 \times 44) + (44444/4) \\
&:= 555 + ((5-5/5) \times (5^5 - ((5+5)/5))) \\
&:= (6 \times 6/(6+6)) \times ((66 \times 66) - (6/6+6)) \\
&:= 7 + (((7 \times (7 \times (7 \times 7 \times 7 - 77))) - 7/7) + 7) \\
&:= ((88+8) \times (8 \times (8+8) + 8)) - (8/8+8) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9+9))) - 9)) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13048 &:= ((1+1)^{11}) + (11 \times ((11-1)^{1+1+1})) \\
&:= 2 + (22 \times ((222/2 - 2) + 22^2)) \\
&:= 3/3 + (((3+3) \times ((3 \times ((3^{3+3}) - 3)) - 3)) - 3) \\
&:= ((44+4) \times ((4 \times 4) + 4^4)) - (4+4) \\
&:= (55+5/5) \times (((5-5/5)/5)^5) - (5+5) \\
&:= (6 \times (((66 \times 66) - 6)/(6+6)/6)) - ((6+6)/6) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) + 7) \\
&:= ((88+8) \times (8 \times (8+8) + 8)) - 8 \\
&:= 9 + ((9 \times ((9 \times (9 \times (9+9))) - 9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13049 &:= 1 + (((1+1)^{11}) + (11 \times ((11-1)^{1+1+1}))) \\
&:= 2 + ((22222/2) + ((2 \times 22)^2)) \\
&:= ((3+3) \times ((3 \times ((3^{3+3}) - 3)) - 3)) - 3/3 \\
&:= 4 + (((44+4) \times ((4 \times 4) + 4^4)) - 44/4) \\
&:= 555 + ((5 \times 5^5) - ((5^5+5/5) + 5)) \\
&:= (6 \times (((66 \times 66) - 6)/(6+6)/6)) - 6/6 \\
&:= 7 + (((7 \times (7 \times (7 \times 7 \times 7 - 77))) + 7/7) + 7) \\
&:= 8/8 + (((88+8) \times (8 \times (8+8) + 8)) - 8) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9+9))) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13050 &:= (111^{1+1}) + ((11-1-1)^{1+1+1}) \\
&:= 2 \times (((2/2+2)^{2 \times (2+2)}) - ((2+2+2)^2)) \\
&:= (3+3) \times ((3 \times ((3^{3+3}) - 3)) - 3) \\
&:= (4-4/4) \times (((4+4)^4) - ((4+4)/4) + 4^4) \\
&:= 5 \times (((5 \times 5^5) + 5)/(5/5+5) + 5) \\
&:= 6 \times (((66 \times 66) - 6)/(6+6)/6) \\
&:= 7 + (((7 \times (7 \times (7 \times 7 \times 7 - 77))) + ((7+7)/7) + 7) \\
&:= ((8+8)/8) + (((88+8) \times (8 \times (8+8) + 8)) - 8) \\
&:= 9 + (9 \times ((9 \times (9 \times (9+9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13051 &:= 1 + ((111^{1+1}) + ((11 - 1 - 1)^{1+1+1})) \\
&:= 2 + (((22222/2) + ((2 \times 22)^2)) + 2) \\
&:= 3/3 + ((3 + 3) \times ((3 \times (3^{3+3}) - 3) - 3)) \\
&:= ((44 + 4) \times ((4 \times 4) + 4^4)) - (4/4 + 4) \\
&:= 555 + ((5 - 5/5) \times (5^5 - 5/5)) \\
&:= 6/6 + (6 \times (((66 \times 66) - 6)/(6 + 6)/6)) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) + ((77 - 7)/7)) \\
&:= 8 \times 8 + ((888/8) \times ((8 \times (8 + 8)) - 88/8)) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13052 &:= 1 + (1 + ((111^{1+1}) + ((11 - 1 - 1)^{1+1+1}))) \\
&:= (22 + 2 + 2) \times (((2^{2+2}) + 22^2) + 2) \\
&:= 3 + (((3 + 3) \times ((3 \times (3^{3+3}) - 3) - 3)) - 3/3) \\
&:= ((44 + 4) \times ((4 \times 4) + 4^4)) - 4 \\
&:= (((5 + 5)/5 + 5^5) - (((5/5) + 5^5) + 5)) \\
&:= 6 + ((66/6) \times ((66 \times (6 + 6 + 6)) - ((6 + 6)/6))) \\
&:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) + (77/7)) \\
&:= ((88 + 8) \times (8 \times (8 + 8) + 8)) - (8 \times 8/(8 + 8)) \\
&:= (99/9) + (9 \times ((9 \times (9 \times (9 + 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13053 &:= ((1 + (11^{1+1})) \times (111 - (1 + 1 + 1 + 1))) - 1 \\
&:= 2 + (((22222/2) + ((2 \times 22)^2)) + 2) + 2) \\
&:= 3 + ((3 + 3) \times ((3 \times (3^{3+3}) - 3) - 3)) \\
&:= 4/4 + (((44 + 4) \times ((4 \times 4) + 4^4)) - 4) \\
&:= 555 + ((5 \times 5^5) - (((5 + 5)/5) + 5^5)) \\
&:= 66 + ((666/6) \times ((666/6) + 6)) \\
&:= (((77 + 7)/7) + 7) \times ((7 \times (7 \times (7 + 7))) + 7/7) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - 88/8) \\
&:= ((99 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13054 &:= (1 + (11^{1+1})) \times (111 - (1 + 1 + 1 + 1)) \\
&:= 2 + ((22 + 2 + 2) \times (((2^{2+2}) + 22^2) + 2)) \\
&:= (3 - 3/3) \times (((3^{3+3}) - 3)/3 - 33) \\
&:= ((44 + 4) \times ((4 \times 4) + 4^4)) - ((4 + 4)/4) \\
&:= 555 + ((5 \times 5^5) - (5^5 + 5/5)) \\
&:= (66 - 6 + 6/6) \times ((6 \times 6 \times 6) - ((6 + 6)/6)) \\
&:= 7 + (((7 \times (7 \times (7 \times 7 \times 7 - 77))) - 7/7) + 7) + 7) \\
&:= ((88 + 8) \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8) \\
&:= ((99 + 9 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13055 &:= ((1 + 11) \times (((11 \times (1 + 1 + 1))^{1+1}) - 1)) - 1 \\
&:= (((22 + 2)^2)/2) + (((222/2) + 2)^2) - 2) \\
&:= (33 \times 3^3) + (((3^3 - (3/3 + 3))^3) - 3) \\
&:= ((44 + 4) \times ((4 \times 4) + 4^4)) - 4/4 \\
&:= 555 + (5^5 \times (5 - 5/5)) \\
&:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - (6 + 6)) - 6/6 \\
&:= 7 + (((7 \times (7 \times (7 \times 7 \times 7 - 77))) + 7) + 7) \\
&:= ((88 + 8) \times (8 \times (8 + 8) + 8)) - 8/8 \\
&:= ((9 + 9) \times (99 + 9)) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13056 &:= (1 + 11) \times (((11 \times (1 + 1 + 1))^{1+1}) - 1) \\
&:= 2 \times (2 \times (2 \times (((2 \times 22 + 2)^2) - 22^2))) \\
&:= (3 + 3) \times ((3 \times (3^{3+3})) - 33/3) \\
&:= (44 + 4) \times ((4 \times 4) + 4^4) \\
&:= 5/5 + ((5^5 \times (5 - 5/5)) + 555) \\
&:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - (6 + 6)) \\
&:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) - (77/7)) \\
&:= (88 + 8) \times (8 \times (8 + 8) + 8) \\
&:= ((99 + 9)/9) \times (((99 \times 99) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13057 &:= 11 \times ((11 \times (111 - (1 + 1 + 1))) - 1) \\
&:= (((22 + 2)^2)/2) + (((222/2) + 2)^2) \\
&:= (33/3) \times ((33 \times (33 + 3)) - 3/3) \\
&:= 4/4 + ((44 + 4) \times ((4 \times 4) + 4^4)) \\
&:= (((5 + 5)/5 + 5^5) - ((5^5/5) + 5^5)) \\
&:= (66/6) \times ((66 \times (6 + 6 + 6)) - 6/6) \\
&:= 77/7 \times (((7777 - 7)/7) + 77) \\
&:= 8/8 + ((88 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= (99/9) \times (((99 \times (99 + 9)) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13058 &:= 1 + (11 \times ((11 \times (111 - (1 + 1 + 1))) - 1)) \\
&:= 2 \times (((2/2 + 2)^{2 \times (2+2)}) - (2 \times (2^{2+2}))) \\
&:= (3 - 3/3) \times (((3^{3 \times 3}) + 3)/3 - 33) \\
&:= ((4 + 4)/4) + ((44 + 4) \times ((4 \times 4) + 4^4)) \\
&:= ((5 - 5^5)/5) + (((5 + 5)/5) + 5^5) - 5^5) \\
&:= 6/6 + ((66/6) \times ((66 \times (6 + 6 + 6)) - 6/6)) \\
&:= ((7 + 7) \times 777) + (((7 + 7 + 7)/7)^7) - 7) \\
&:= ((8 + 8)/8) + ((88 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 + (((9 \times ((9 \times (9 \times (9 + 9))) - 9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13059 &:= (11 - 1 - 1) \times ((11 \times (11 \times (1 + 1))) - 1) \\
&:= 2 + (((222/2) + 2)^2) + (((22 + 2)^2)/2) \\
&:= 3 \times ((3 + 3) \times ((3^{3+3}) - 3) - 3) \\
&:= 4 + (((44 + 4) \times ((4 \times 4) + 4^4)) - 4/4) \\
&:= 555 + ((5 - 5/5) \times (5^5 + 5/5)) \\
&:= ((6 \times 6/(6 + 6)) \times ((66 \times 66) - 6/6)) - 6 \\
&:= 7 + (((7 \times (7 \times (7 \times 7 \times 7 - 77))) + (77/7)) + 7) \\
&:= 88/8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - 8) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13060 &:= 1 + ((11 - 1 - 1) \times ((11 \times (11 \times (1 + 1))) - 1)) \\
&:= (22 - 2) \times (((22/2) + 2)^2) + 22^2) \\
&:= 3/3 + (3 \times (((3 + 3) \times ((3^{3+3}) - 3)) - 3)) \\
&:= 4 + ((44 + 4) \times ((4 \times 4) + 4^4)) \\
&:= 5 + ((5^5 \times (5 - 5/5)) + 555) \\
&:= (((6 + 6)/6)^6) + (6 \times ((6 \times (6 \times (66 - 6))) + 6)) \\
&:= 7 + (((77 + 7)/7) + 7) \times ((7 \times (7 \times (7 + 7))) + 7/7) \\
&:= (8 \times 8/(8 + 8)) + ((88 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 + (((9 \times ((9 \times (9 \times (9 + 9))) - 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13061 &:= 1 + (1 + ((11 - 1 - 1) \times ((11 \times (11 \times (1 + 11))) - 1))) \\
&:= 22^2 + (((222/2)^2) + (2^{2 \times (2+2)})) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + (33 \times 3^3)) \\
&:= 4 + (((44 + 4) \times ((4 \times 4) + 4^4)) + 4/4) \\
&:= 5 + (((5^5 \times (5 - 5/5)) + 555) + 5/5) \\
&:= 66 + ((6 \times ((6 \times (6 \times (66 - 6))) + 6)) - 6/6) \\
&:= ((77/7) \times ((7777/7) + 77)) - 7 \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - 88/8) + 8 \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13066 &:= (11 \times (11 \times (111 - (1 + 1 + 1)))) - (1 + 1) \\
&:= ((2/2 + 2) \times (((2^{2+2+2}) + 2)^2)) - 2 \\
&:= 3/3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 3))) - 3) \\
&:= ((44 - 4)/4) + ((44 + 4) \times ((4 \times 4) + 4^4)) \\
&:= 555 + ((5^5 \times (5 - 5/5)) + (55/5)) \\
&:= (6 \times (6 \times ((66 \times 66)/(6 + 6)))) - ((6 + 6)/6) \\
&:= ((7 - 7/7) \times (((7 + 7 + 7)/7)^7)) - (7 \times 7 + 7) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) + ((8 + 8)/8)) \\
&:= 9 + ((99/9) \times (((99 \times (99 + 9)) - 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13062 &:= (1 + 1 + 1) \times (((1 + 1) \times (11 \times (1 + 1 + 1)))^{1+1}) - (1 + 1) \\
&:= (2/2 + 2) \times (((2^{2+2+2}) + 2)^2) - 2 \\
&:= 3 + (3 \times ((3 + 3) \times ((3^{3+3}) - 3)) - 3) \\
&:= 4 + (((44 + 4) \times ((4 \times 4) + 4^4)) + ((4 + 4)/4)) \\
&:= 5 + (((5 + 5)/5 + 5)^5) - ((5^5/5) + 5^5) \\
&:= 66 + (6 \times ((6 \times (6 \times (66 - 6))) + 6)) \\
&:= 77 + (7 \times ((77 \times (7 + 7)) + 777)) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8)) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 9)) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13067 &:= (11 \times (11 \times (111 - (1 + 1 + 1)))) - 1 \\
&:= ((2/2 + 2) \times (((2^{2+2+2}) + 2)^2)) - 2/2 \\
&:= (3 \times ((3 + 3) \times ((3^{3+3}) - 3))) - 3/3 \\
&:= (44/4) + ((44 + 4) \times ((4 \times 4) + 4^4)) \\
&:= ((55 - 5/5) \times ((5 - (5 + 5)/5)^5)) - 55 \\
&:= (6 \times (6 \times ((66 \times 66)/(6 + 6)))) - 6/6 \\
&:= (7777/7) + ((7 + 7) \times (777 + 77)) \\
&:= 88/8 + ((88 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 + (((9 \times ((9 \times (9 \times (9 + 9))) - 9)) - 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13063 &:= 1 + (1 + 1 + 1) \times (((1 + 1) \times (11 \times (1 + 1 + 1)))^{1+1}) - (1 + 1) \\
&:= 22 + (((22/2)^{2+2}) - ((2 \times (22 - 2))^2)) \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 3)) - 3) + 3/3) \\
&:= 4 + (((44 + 4) \times ((4 \times 4) + 4^4)) - 4/4) + 4 \\
&:= 555 + ((5 - 5/5) \times (((5 + 5)/5) + 5^5)) \\
&:= 6 + ((66/6) \times ((66 \times (6 + 6 + 6)) - 6/6)) \\
&:= 7 + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7) - (77/7)) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - 8/8) \\
&:= ((99 + 99)/9) + (9 \times ((9 \times (9 \times (9 + 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13068 &:= 11 \times (11 \times (111 - (1 + 1 + 1))) \\
&:= (2/2 + 2) \times (((2^{2+2+2}) + 2)^2) \\
&:= 3 \times ((3 + 3) \times ((3^{3+3}) - 3)) \\
&:= 44 + (44 \times ((4^4 - 4) + 44)) \\
&:= (55 - 5/5) \times (((5 - (5 + 5)/5)^5) - 5/5) \\
&:= 6 \times (6 \times ((66 \times 66)/(6 + 6))) \\
&:= 77/7 \times ((7777/7) + 77) \\
&:= ((88 + 8)/8) + ((88 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 + (((9 \times ((9 \times (9 \times (9 + 9))) - 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13064 &:= (((11 \times (1 + 11)) - 1)^{1+1}) - (1 + (1 + 1)^{1+1}) \\
&:= 2 + ((2/2 + 2) \times (((2^{2+2+2}) + 2)^2) - 2) \\
&:= (3/3 + 3) \times ((3 \times (33 \times 33)) - 3/3) \\
&:= 4 + (((44 + 4) \times ((4 \times 4) + 4^4)) + 4) \\
&:= 5 + (((5 - 5/5) \times (5^5 + 5/5)) + 555) \\
&:= 66 + ((6 \times ((6 \times (6 \times (66 - 6))) + 6)) + ((6 + 6)/6)) \\
&:= (((7 + 7)/7)^7) + ((77 + 7) \times (77 + 77)) \\
&:= 8 + ((88 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 + ((99999/9) + ((9 + 9) \times (99 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13069 &:= 1 + (11 \times (11 \times (111 - (1 + 1 + 1)))) \\
&:= 2/2 + ((2/2 + 2) \times (((2^{2+2+2}) + 2)^2)) \\
&:= 3/3 + (3 \times ((3 + 3) \times ((3^{3+3}) - 3))) \\
&:= 44 + ((44 \times ((4^4 - 4) + 44)) + 4/4) \\
&:= 5^5 + (((5 + 5)^{5-5/5}) - (55 + 5/5)) \\
&:= 6/6 + (6 \times (6 \times ((66 \times 66)/(6 + 6)))) \\
&:= (7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) - (7 + 7) \\
&:= ((88 + 8 + 8)/8) + ((88 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= 9 + (((9 \times ((9 \times (9 \times (9 + 9))) - 9)) + 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13065 &:= (1 + 1 + 1) \times (((1 + 1) \times (11 \times (1 + 1 + 1)))^{1+1}) - 1 \\
&:= (2/2 + 2) \times (((2^{2+2+2}) + 2)^2) - 2/2 \\
&:= (3 \times ((3 + 3) \times ((3^{3+3}) - 3))) - 3 \\
&:= 4 + (((44 + 4) \times ((4 \times 4) + 4^4)) + 4/4) + 4 \\
&:= 5 + (((5^5 \times (5 - 5/5)) + 555) + 5) \\
&:= (6 \times 6/(6 + 6)) \times ((66 \times 66) - 6/6) \\
&:= ((7 + 7) \times 777) + (((7 + 7 + 7)/7)^7) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) + 8/8) \\
&:= 9 + (((99 + 9)/9) \times (((99 \times 99) - 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13070 &:= 1 + (1 + (11 \times (11 \times (111 - (1 + 1 + 1)))) \\
&:= 2 + ((2/2 + 2) \times (((2^{2+2+2}) + 2)^2)) \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 3))) - 3/3) \\
&:= (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 4)) - 44 \\
&:= 5^5 + (((5 + 5)^{5-5/5}) - 55) \\
&:= ((6 + 6)/6) + (6 \times (6 \times ((66 \times 66)/(6 + 6)))) \\
&:= 7/7 + ((7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) - (7 + 7)) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - ((8 + 8)/8) + 8) \\
&:= 9 + (((9 \times ((9 \times (9 \times (9 + 9))) - 9)) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13071 &:= 1 + (1 + (1 + (11 \times (11 \times (111 - (1 + 1 + 1)))))) \\
&:= (2/2 + 2) \times (((2^{2+2+2}) + 2)^2) + 2/2 \\
&:= 3 + (3 \times ((3 + 3) \times ((3^{3+3}) - 3))) \\
&:= 4 + (((44 + 4) \times ((4 \times 4) + 4^4)) + 44/4) \\
&:= 5^5 + (((5 + 5)^{5-5/5}) - 55) + 5/5 \\
&:= (666/6) + (6 \times (6 \times (6 \times (66 - 6)))) \\
&:= 7 + (((77 + 7) \times (77 + 77)) + (((7 + 7)/7)^7)) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - 8/8) + 8 \\
&:= (999/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13072 &:= 1 + (1 + (1 + (1 + (11 \times (11 \times (111 - (1 + 1 + 1)))))) \\
&:= ((22 - 2)^2) + (22 \times ((22 + 2)^2)) \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 3))) + 3/3) \\
&:= 4 \times (((4 + 4 + 4) \times ((4 \times 4) + 4^4)) + 4) \\
&:= 5 + (((55 - 5/5) \times ((5 - (5 + 5)/5)^5)) - 55) \\
&:= ((666 + 6)/6) + (6 \times (6 \times (6 \times (66 - 6)))) \\
&:= ((7 \times 7) - (77/7)) \times ((7 \times 7 \times 7) + 7/7) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) + 8) \\
&:= ((999 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13073 &:= ((1 + 111)^{1+1}) + ((1 + 11 + 11)^{1+1}) \\
&:= ((22 + 2/2)^2) + (((222 + 2)/2)^2) \\
&:= 3 + (((3 \times ((3 + 3) \times ((3^{3+3}) - 3))) - 3/3) + 3) \\
&:= 4 \times 4 + (((44 + 4) \times ((4 \times 4) + 4^4)) + 4/4) \\
&:= (((5 \times 5) + 5/5) \times ((5^5 - (5 + 5)/5)) - 5^5) \\
&:= 6 + ((6 \times (6 \times ((66 \times 66)/(6 + 6)))) - 6/6) \\
&:= ((7 - 7/7) \times (((7 + 7 + 7)/7)^7)) - (7 \times 7) \\
&:= (8/8 + 8 + 8) \times ((8 \times (88 + 8)) + 8/8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + ((9 - (9 \times 99))/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13074 &:= 1 + (((1 + 111)^{1+1}) + ((1 + 11 + 11)^{1+1})) \\
&:= 2 \times (((2/2 + 2)^{2 \times (2+2)}) - (22 + 2)) \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 3))) + 3) \\
&:= (((4 + 4)/4) \times ((4 - 4/4)^{4+4})) - (44 + 4) \\
&:= 555 + (((5 - 5/5) \times (5^5 + 5)) - 5/5) \\
&:= 6 + (6 \times (6 \times ((66 \times 66)/(6 + 6)))) \\
&:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) - (7/7 + 7) \\
&:= ((8 + 8)/8) \times (((88/8) - 8)^8) - (8 + 8 + 8) \\
&:= 9 + (((99 + 9)/9) \times (((99 \times 99) - 9)/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13075 &:= (1 + (1 + 1) \times (1 + 11)) \times (11 + ((1 + 1)^{11-1-1})) \\
&:= 2 + (((222 + 2)/2)^2) + ((22 + 2/2)^2) \\
&:= 3 + (((3 \times ((3 + 3) \times ((3^{3+3}) - 3))) + 3/3) + 3) \\
&:= ((4 - 4/4) \times 4444) - (4/4 + 4^4) \\
&:= 5 \times (5 \times (555 - (((5 + 5)/5)^5)) \\
&:= 6 + ((6 \times (6 \times ((66 \times 66)/(6 + 6)))) + 6/6) \\
&:= 7 + ((77/7) \times ((7777/7) + 77)) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) + (88/8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - ((9 + 9)/9))) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13076 &:= (1 + 1) \times ((1 + 1) \times (((1 + 1)^{11}) + (11 \times 111))) \\
&:= (22 \times 222) + (2^{22/2+2}) \\
&:= (3 \times (((3 + 3) \times ((3^{3+3}) - 3)) + 3)) - 3/3 \\
&:= ((4 - 4/4) \times 4444) - 4^4 \\
&:= 5/5 + (((5 - 5/5) \times (5^5 + 5)) + 555) \\
&:= 6 + ((6 \times (6 \times ((66 \times 66)/(6 + 6)))) + ((6 + 6)/6)) \\
&:= (7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) - 7 \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) + ((88 + 8)/8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - ((9 + 9)/9))) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13077 &:= (11 - 1 - 1) \times (1 + (11 \times (11 \times (1 + 11)))) \\
&:= (2 \times (((2/2 + 2)^{2 \times (2+2)}) - 22)) - 2/2 \\
&:= 3 \times (((3 + 3) \times ((3^{3+3}) - 3)) + 3) \\
&:= 4/4 + (((4 - 4/4) \times 4444) - 4^4) \\
&:= (5 \times (55 \times 55)) - (((5 + 5)/5)^{55/5}) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - 6)))) + 666/6) \\
&:= 7/7 + ((7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) - 7) \\
&:= 8 + (((88 + 8) \times (8 \times (8 + 8) + 8)) + ((88 + 8 + 8)/8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - ((9 + 9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13078 &:= (11 \times (11 \times (111 - (1 + 1)))) - 111 \\
&:= 2 \times (((2/2 + 2)^{2 \times (2+2)}) - 22) \\
&:= 3/3 + (3 \times (((3 + 3) \times ((3^{3+3}) - 3)) + 3)) \\
&:= (((4 + 4)/4) \times ((4 - 4/4)^{4+4})) - 44 \\
&:= (((55/5 + 5) + 5) \times ((5^5 - (5 + 5)/5)) - 5) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - 6)))) + ((666 + 6)/6)) \\
&:= ((7 + 7)/7) + ((7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) - 7) \\
&:= ((88 + 88)/8) + ((88 + 8) \times (8 \times (8 + 8) + 8)) \\
&:= (((9 - 9/9) + 9) + 9) \times (((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13079 &:= 11 \times (1 + (11 \times (111 - (1 + 1 + 1)))) \\
&:= 2/2 + (2 \times (((2/2 + 2)^{2 \times (2+2)}) - 22)) \\
&:= (33/3) + (3 \times ((3 + 3) \times ((3^{3+3}) - 3))) \\
&:= (44/4) \times ((4 \times (44 + 4^4)) - 44/4) \\
&:= 555 + (((5 - 5/5) \times (5^5 + 5/5) + 5)) \\
&:= (66/6) \times ((66 \times (6 + 6 + 6)) + 6/6) \\
&:= 7 + (((7 \times 7) - (77/7)) \times ((7 \times 7 \times 7) + 7/7)) \\
&:= (8888/8) + (88 \times (8 \times (8 + 8) + 8)) \\
&:= (99/9) \times (((99 \times (99 + 9)) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13080 &:= (111 - (1 + 1)) \times ((11^{1+1}) - 1) \\
&:= 2 + (2 \times (((2/2 + 2)^{2 \times (2+2)}) - 22)) \\
&:= 3 + (3 \times (((3 + 3) \times ((3^{3+3}) - 3)) + 3)) \\
&:= 4 + (((4 - 4/4) \times 4444) - 4^4) \\
&:= 555 + ((5 \times (5^5 + 5)) - 5^5) \\
&:= (66 - 6) \times ((6 \times 6 \times 6) + ((6 + 6)/6)) \\
&:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) - 7 \\
&:= ((8 - 8/8) + 8) \times (888 - (8 + 8)) \\
&:= ((99 + 9)/9) \times (((99 \times 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13081 &:= 1 + ((111 - (1 + 1)) \times ((11^{1+1}) - 1)) \\
&:= (((22/2)^2 + 2)^2) - (2^{22/2}) \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 3)) + 3)) + 3/3 \\
&:= ((44/4)^4) - ((4^4 + 4) \times (((4 + 4)/4) + 4)) \\
&:= 5/5 + (((5 \times (5^5 + 5)) - 5^5) + 555) \\
&:= 6/6 + (((66 - 6) \times ((6 \times 6 \times 6) + ((6 + 6)/6))) \\
&:= 7/7 + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7) - 7) \\
&:= ((888/8) - 8) \times ((8 \times (8 + 8)) - 8/8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (((9 \times (9 \times 9)) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13082 &:= 1 + (1 + ((111 - (1 + 1)) \times ((11^{1+1}) - 1))) \\
&:= 2 \times (((2/2 + 2)^{2 \times (2+2)} - 22) + 2) \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) - 3))) + (33/3)) \\
&:= 4 + (((4 + 4)/4) \times ((4 - 4/4)^{4+4}) - 44) \\
&:= 5 + ((5 \times (55 \times 55)) - (((5 + 5)/5)^{55/5})) \\
&:= ((6 + 6)/6) + ((66 - 6) \times ((6 \times 6 \times 6) + ((6 + 6)/6))) \\
&:= (7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) - 7/7 \\
&:= (((8 + 8)/8) \times (((88/8) - 8)^8) - (8 + 8)) - 8 \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9))) - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13083 &:= 1 + (1 + (1 + ((111 - (1 + 1)) \times ((11^{1+1}) - 1)))) \\
&:= 2 + (((22/2)^2 + 2)^2) - (2^{22/2}) \\
&:= ((3 + 3) \times ((3 \times ((3^{3+3}) - 3)) + 3)) - 3 \\
&:= ((44 + 4/4) + 4) \times ((44/4) + 4^4) \\
&:= ((55/5 + 5) + 5) \times ((5^5 - (5 + 5))/5) \\
&:= (6 \times 6/(6 + 6)) \times (((66 \times 66) - 6/6) + 6) \\
&:= 7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7) \\
&:= (8/8 + 88) \times ((8 \times (8 + 8)) + (88/8)) + 8 \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) - ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13084 &:= 1 + (1 + (1 + (1 + ((111 - (1 + 1)) \times ((11^{1+1}) - 1)))) \\
&:= 2 + (2 \times (((2/2 + 2)^{2 \times (2+2)} - 22) + 2)) \\
&:= ((3^3 - 3)^3) - ((3^{3+3}) + (33/3)) \\
&:= 44 + (4^4 \times 44 + (4 \times 444)) \\
&:= ((5^5 - 5)/5) + ((5 - 5/5) \times (5^5 - (5 + 5))) \\
&:= (((6 + 6)/6)^6) + ((66 - 6) \times ((6 \times 6 \times 6) + 6/6)) \\
&:= 7/7 + (7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) \\
&:= 88 + (((888 + 88)/8) - 8)^{(8+8)/8} \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9))) - ((9/9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13085 &:= (11 \times 1111) + (((1 + 11)^{1+1+1})/(1 + 1)) \\
&:= 2 + (((22/2)^2 + 2)^2) - (2^{22/2}) + 2 \\
&:= ((3 + 3) \times ((3 \times ((3^{3+3}) - 3)) + 3)) - 3/3 \\
&:= (44 \times (44 + 4^4)) - ((444/4) + 4) \\
&:= (55 \times (((5 - (5 + 5)/5)^5) - 5)) - 5 \\
&:= 6 + ((66/6) \times ((66 \times (6 + 6 + 6)) + 6/6)) \\
&:= ((7 + 7)/7) + (7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) \\
&:= ((8 + 8) \times (888 - (8 \times 8))) - ((88/8) + 88) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) - ((9 + 9)/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13086 &:= (11 - 1 - 1) \times (1 + (1 + (11 \times (11 \times (1 + 11)))) \\
&:= 2 \times (((2/2 + 2)^{2 \times (2+2)} - 22) + 2) + 2 \\
&:= (3 + 3) \times ((3 \times ((3^{3+3}) - 3)) + 3) \\
&:= (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4)) - 44 \\
&:= 5/5 + ((55 \times (((5 - (5 + 5)/5)^5) - 5)) - 5) \\
&:= 6 \times (((66 \times 66) + 6)/(6 + 6)/6) \\
&:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) - 7 + 7/7 \\
&:= ((8 + 8) \times 888) - ((8888 + 88)/8) \\
&:= (9 + 9) \times ((9 \times (9 \times 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13087 &:= (111 \times ((11^{1+1}) - (1 + 1 + 1))) - 11 \\
&:= (22 \times ((222/2) + 22^2)) - (2/2 + 2) \\
&:= 3/3 + ((3 + 3) \times ((3 \times ((3^{3+3}) - 3)) + 3)) \\
&:= 4 + (((44 + 4/4) + 4) \times ((44/4) + 4^4)) \\
&:= ((5 \times 5) - ((5 + 5)/5)) \times (((5^5 - 5)/5) - 55) \\
&:= 6/6 + (6 \times (((66 \times 66) + 6)/(6 + 6)/6)) \\
&:= 7 + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7) - 7) \\
&:= 8 + ((88 \times (8 \times (8 + 8) + 8)) + (8888/8)) \\
&:= 9/9 + ((9 + 9) \times ((9 \times (9 \times 9)) - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13088 &:= ((111 - 1) \times ((11^{1+1}) - (1 + 1))) - (1 + 1) \\
&:= (22 \times ((222/2) + 22^2)) - 2 \\
&:= 3^{3 \times 3} - (((3^{3 \times 3}) + 3)/3) + 33 \\
&:= ((4^4 - 4) \times ((44 + 4) + 4)) - (4 \times 4) \\
&:= 5 + (((55/5 + 5) + 5) \times ((5^5 - (5 + 5))/5)) \\
&:= ((6 + 6)/6) + (6 \times (((66 \times 66) + 6)/(6 + 6)/6)) \\
&:= (((7 + 7)/7)^7 + 7) \times ((7 \times (7 + 7)) - 7/7) - 7 \\
&:= 8 + (((8 - 8/8) + 8) \times (888 - (8 + 8))) \\
&:= 9 + ((99/9) \times (((99 \times (99 + 9)) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13089 &:= ((111 - 1) \times ((11^{1+1}) - (1 + 1))) - 1 \\
&:= (22 \times ((222/2) + 22^2)) - 2/2 \\
&:= (3 \times ((3 + 3) \times (3^{3+3}))) - 33 \\
&:= (44 \times (44 + 4^4)) - (444/4) \\
&:= (55 \times (((5 - (5 + 5)/5)^5) - 5)) - 5/5 \\
&:= (6 \times 6/(6 + 6)) \times (((66 \times 66) + 6/6) + 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) - 7/7) \\
&:= 8 + (((888/8) - 8) \times ((8 \times (8 + 8)) - 8/8)) \\
&:= 9 + (((99 + 9)/9) \times (((99 \times 99) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13090 &:= (111 - 1) \times ((11^{1+1}) - (1 + 1)) \\
&:= 22 \times ((222/2) + 22^2) \\
&:= 3/3 + ((3 \times ((3 + 3) \times (3^{3+3}))) - 33) \\
&:= ((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 4 \times 4) \\
&:= 55 \times (((5 - (5 + 5)/5)^5) - 5) \\
&:= (66/6) \times ((66 \times (6 + 6 + 6)) + ((6 + 6)/6)) \\
&:= 7 + (7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) \\
&:= ((8 + 8)/8) \times (((88/8) - 8)^8) - (8 + 8) \\
&:= (99/9) \times (((99 \times (99 + 9)) + 9) + 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13091 &:= 1 + ((111 - 1) \times ((11^{1+1}) - (1 + 1))) \\
&:= 2/2 + (22 \times ((222/2) + 22^2)) \\
&:= ((3^3 - 3)^3) - (((3^{3+3}) + 3/3) + 3) \\
&:= (((4/4 + 4) + 4) + 4) \times ((4 \times (4^4 - 4)) - 4/4) \\
&:= 5/5 + (55 \times (((5 - (5 + 5)/5)^5) - 5)) \\
&:= (66 \times (6 \times 6 - 6)) + (66666/6) \\
&:= ((777/7) \times ((777/7) + 7)) - 7 \\
&:= ((88/8) + 8) \times (((8 \times 88) - (8 + 8)) + 8/8) \\
&:= ((99 + 9 + 9)/9) \times ((999 - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13092 &:= 1 + (1 + ((111 - 1) \times ((11^{1+1}) - (1 + 1)))) \\
&:= 2 + (22 \times ((222/2) + 22^2)) \\
&:= ((3^3 - 3)^3) - ((3^{3+3}) + 3) \\
&:= 4 + (((4^4 - 4) \times ((44 + 4) + 4)) - 4 \times 4) \\
&:= ((5 + 5)/5) + (55 \times (((5 - (5 + 5)/5)^5) - 5)) \\
&:= 6 + (6 \times (((66 \times 66) + 6)/(6 + 6)/6)) \\
&:= 7 + ((7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) + (7 + 7)/7) \\
&:= ((8 + 8)/8) \times (((((88/8) - 8)^8) - (8 + 8)) + 8/8) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13093 &:= 1 + (1 + (1 + ((111 - 1) \times ((11^{1+1}) - (1 + 1)))))) \\
&:= (((2^{2+2}) + 2)^2) + (((222/2) + 2)^2) \\
&:= 3/3 + (((3^3 - 3)^3) - ((3^{3+3}) + 3)) \\
&:= ((4^4 - 4) \times ((44 + 4) + 4)) - (44/4) \\
&:= 5^5 + ((55/5 + 5) \times ((5^5 - (5 + 5)/5)) \\
&:= 6 + ((6 \times (((66 \times 66) + 6)/(6 + 6)/6)) + 6/6) \\
&:= 7 + ((7 - 7/7) \times (((((7 + 7 + 7)/7)^7) - 7) + 7/7)) \\
&:= ((88/8) \times (((8888/8) - 8) + 88)) - 8 \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - ((99/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13094 &:= 1 + (1 + (1 + (1 + ((111 - 1) \times ((11^{1+1}) - (1 + 1)))))) \\
&:= 2 + (22 \times ((222/2) + 22^2)) + 2 \\
&:= ((3^3 - 3)^3) - ((3^{3+3}) + 3/3) \\
&:= 4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 4 \times 4)) \\
&:= 5 + (55 \times (((5 - (5 + 5)/5)^5) - 5)) - 5/5 \\
&:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - 6/6) - 666 \\
&:= 7 + (((7 - 7/7) \times (((7 + 7 + 7)/7)^7) - 7) + 7) \\
&:= ((8 + 8) \times (888 - (8 \times 8))) - (((8 + 8)/8) + 88) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (((9/9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13095 &:= (11 - 1 - 1) \times (((1 + 1 + 11) \times (1 + 111)) - 1) \\
&:= (22^2 + 2/2) \times (((22 + 2/2) + 2) + 2) \\
&:= ((3^3 - 3)^3) - (3^{3+3}) \\
&:= (44/4 + 4 \times 4) \times (((44 \times 44) + 4)/4) \\
&:= 5 + (55 \times (((5 - (5 + 5)/5)^5) - 5)) \\
&:= ((66 \times 6/(6 + 6)) \times ((6 \times 66) + 6/6)) - 6 \\
&:= (((7 + 7)/7)^7) + 7 \times ((7 \times (7 + 7)) - 7/7) \\
&:= ((8 - 8/8) + 8) \times ((888 - (8 + 8)) + 8/8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13096 &:= (111 \times ((11^{1+1}) - (1 + 1 + 1))) - (1 + 1) \\
&:= (2 \times (((2/2 + 2)^{2 \times (2+2)}) - 2)) - 22 \\
&:= 3/3 + (((3^3 - 3)^3) - (3^{3+3})) \\
&:= ((4^4 - 4) \times ((44 + 4) + 4)) - (4 + 4) \\
&:= 5 + (55 \times (((5 - (5 + 5)/5)^5) - 5)) + 5/5 \\
&:= 6 + ((66/6) \times ((66 \times (6 + 6 + 6)) + ((6 + 6)/6))) \\
&:= 7 + (((7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) - 7/7) + 7) \\
&:= ((8 + 8) \times (888 - (8 \times 8))) - 88 \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9)))) - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13097 &:= (111 \times ((11^{1+1}) - (1 + 1 + 1))) - 1 \\
&:= 2 + ((22^2 + 2/2) \times (((22 + 2/2) + 2) + 2)) \\
&:= 3 + (((3^3 - 3)^3) - ((3^{3+3}) + 3/3)) \\
&:= 4 + (((4^4 - 4) \times ((44 + 4) + 4)) - 44/4) \\
&:= ((55 - 5/5) \times ((5 - (5 + 5)/5)^5)) - (5 \times 5) \\
&:= (((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) - 6)) - 6/6 \\
&:= 7 + ((7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 7)) + 7) \\
&:= ((8 + 8) \times 888) - (8888/8) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times (9 \times (9 + 9)))) - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13098 &:= 111 \times ((11^{1+1}) - (1 + 1 + 1)) \\
&:= 222 \times ((2 \times (22 + 2)) + (22/2)) \\
&:= 3 + (((3^3 - 3)^3) - (3^{3+3})) \\
&:= ((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 4 \times 4) + 4 \\
&:= (5 \times (5^5 - 5)) + (((5^5 - (5 + 5)/5) - 5^5) \\
&:= ((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) - 6) \\
&:= (777/7) \times ((777/7) + 7) \\
&:= (888/8) \times (((888 - 8)/8) + 8) \\
&:= (999/9) \times (((9/9 + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13099 &:= 1 + (111 \times ((11^{1+1}) - (1 + 1 + 1))) \\
&:= (2 \times ((2/2 + 2)^{2 \times (2+2)}) - (22 + 2/2) \\
&:= 3 + (((3^3 - 3)^3) - (3^{3+3})) + 3/3 \\
&:= ((4^4 - 4) \times ((44 + 4) + 4)) - (4/4 + 4) \\
&:= (5 \times (5^5 - 5)) + (((5^5 - 5)/5) - 5^5) \\
&:= 66 + (((6 - 6/6)^6) - (6 \times (6 \times (66 + 6)))) \\
&:= 7/7 + ((777/7) \times ((777/7) + 7)) \\
&:= 8 + (((88/8) + 8) \times (((8 \times 88) - (8 + 8)) + 8/8)) \\
&:= 999 + (((99/9) + 99)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13100 &:= ((11 - 1)^{1+1}) \times ((11 \times (1 + 11)) - 1) \\
&:= (2 \times ((2/2 + 2)^{2 \times (2+2)}) - 22 \\
&:= (3 - 3/3) \times (((3^{3 \times 3}) - 33)/3) \\
&:= ((4^4 - 4) \times ((44 + 4) + 4)) - 4 \\
&:= 5 \times ((55 - (555 + 5)) + 5^5) \\
&:= ((6 + 6)/6) + (((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) - 6)) \\
&:= 77 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) - (77/7)) \\
&:= ((8 + 8)/8) \times (((88/8) - 8)^8) - 88/8 \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9))) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13101 &:= 1 + (((11 - 1)^{1+1}) \times ((11 \times (1 + 11)) - 1)) \\
&:= 2/2 + ((2 \times ((2/2 + 2)^{2 \times (2+2)})) - 22) \\
&:= ((3 + 3) \times ((3 \times (3^{3+3})) - 3)) - 3 \\
&:= 4/4 + (((4^4 - 4) \times ((44 + 4) + 4)) - 4) \\
&:= (5 \times (5^5 - 5)) + (((5^5 + 5)/5) - 5^5) \\
&:= (66 \times 6/(6 + 6)) \times ((6 \times 66) + 6/6) \\
&:= ((7 - 7/7) \times (((7 + 7 + 7)/7)^7)) - (7 + 7 + 7) \\
&:= (88/8) \times (((8888/8) - 8) + 88) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13102 &:= (11 \times 111) + ((111 - (1 + 1))^{1+1}) \\
&:= 2 + ((2 \times ((2/2 + 2)^{2 \times (2+2)})) - 22) \\
&:= 3/3 + (((3 + 3) \times ((3 \times (3^{3+3})) - 3)) - 3) \\
&:= ((4^4 - 4) \times ((44 + 4) + 4)) - ((4 + 4)/4) \\
&:= (5 \times (5^5 - 5)) + (((5^5 + 5 + 5)/5) - 5^5) \\
&:= 6/6 + ((66 \times 6/(6 + 6)) \times ((6 \times 66) + 6/6)) \\
&:= 7 + (((((7 + 7)/7)^7) + 7) \times ((7 \times (7 + 7)) - 7/7)) \\
&:= ((8 + 8)/8) \times (((888/8) - 8)^8) + ((8 - 88)/8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13103 &:= 1 + ((11 \times 111) + ((111 - (1 + 1))^{1+1})) \\
&:= 2 + (((2 \times ((2/2 + 2)^{2 \times (2+2)})) - 22) + 2/2) \\
&:= ((3 + 3) \times ((3 \times (3^{3+3})) - 3)) - 3/3 \\
&:= ((4^4 - 4) \times ((44 + 4) + 4)) - 4/4 \\
&:= ((5^5 - (5 + 5))/5) + ((5 - 5/5) \times (5^5 - 5)) \\
&:= (6 \times ((6 \times ((66 \times 66)/(6 + 6))) + 6)) - 6/6 \\
&:= ((77 + 7 \times 7) \times ((777/7) - 7)) - 7/7 \\
&:= 8 + (((8 - 8/8) + 8) \times ((888 - (8 + 8)) + 8/8)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - ((9/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13104 &:= (11 - 1 - 1) \times ((1 + 1 + 11) \times (1 + 111)) \\
&:= (22 + 2 + 2) \times ((22^2 - 2) + 22) \\
&:= (3 + 3) \times ((3 \times (3^{3+3})) - 3) \\
&:= (4^4 - 4) \times ((44 + 4) + 4) \\
&:= ((5^5 - 5)/5) \times ((55/5 + 5) + 5) \\
&:= 6 \times ((6 \times ((66 \times 66)/(6 + 6))) + 6) \\
&:= (77 + 7 \times 7) \times ((777/7) - 7) \\
&:= 8 + (((8 + 8) \times (888 - (8 \times 8))) - 88) \\
&:= (9 + 9) \times ((9 \times (9 \times 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13105 &:= 1 + ((11 - 1 - 1) \times ((1 + 1 + 11) \times (1 + 111))) \\
&:= (222/2)^2 + (((22 + 2 + 2) + 2)^2) \\
&:= 3/3 + ((3 + 3) \times ((3 \times (3^{3+3})) - 3)) \\
&:= 4/4 + (((4^4 - 4) \times ((44 + 4) + 4)) \\
&:= (5^5/5) + ((5 - 5/5) \times (5^5 - 5)) \\
&:= ((6 - 6/6)^6) + ((6 + 6) \times (6 - (6 \times 6 \times 6))) \\
&:= 7 + ((777/7) \times ((777/7) + 7)) \\
&:= 8 + (((8 + 8) \times 888) - (8888/8)) \\
&:= 9/9 + ((9 + 9) \times ((9 \times (9 \times 9)) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13106 &:= 111 + (((1 + (1 + (1 + 111)))^{1+1}) - 1) \\
&:= 2 \times (((2/2 + 2)^{2 \times (2+2)}) - (2 \times (2 + 2))) \\
&:= 3 + (((3 + 3) \times ((3 \times (3^{3+3})) - 3)) - 3/3) \\
&:= ((4 + 4)/4) + (((4^4 - 4) \times ((44 + 4) + 4)) \\
&:= ((5^5 + 5)/5) + ((5 - 5/5) \times (5^5 - 5)) \\
&:= 6/6 + (((6 + 6) \times (6 - (6 \times 6 \times 6))) + ((6 - 6/6)^6)) \\
&:= 7 + (((777/7) \times ((777/7) + 7)) + 7/7) \\
&:= ((8 + 8)/8) \times (((888/8) - 8)^8) - 8 \\
&:= ((9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13107 &:= 111 + ((1 + (1 + (1 + 111)))^{1+1}) \\
&:= (222/2) + (((222 + 2)/2) + 2)^2 \\
&:= 3 + ((3 + 3) \times ((3 \times (3^{3+3})) - 3)) \\
&:= 4 + (((4^4 - 4) \times ((44 + 4) + 4)) - 4/4) \\
&:= ((5^5 + 5 + 5)/5) + ((5 - 5/5) \times (5^5 - 5)) \\
&:= 6 + ((66 \times 6/(6 + 6)) \times ((6 \times 66) + 6/6)) \\
&:= (((77 - 7)/7) + 7) \times ((777 - 7) + 7/7) \\
&:= 8/8 + (((8 + 8)/8) \times (((888/8) - 8)^8) - 8) \\
&:= 9 + ((999/9) \times (((9/9 + 99) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13108 &:= 1 + (111 + ((1 + (1 + (1 + 111)))^{1+1})) \\
&:= 2 + (2 \times (((2/2 + 2)^{2 \times (2+2)}) - (2 \times (2 + 2)))) \\
&:= 3 + (((3 + 3) \times ((3 \times (3^{3+3})) - 3)) + 3/3) \\
&:= 4 + (((4^4 - 4) \times ((44 + 4) + 4)) \\
&:= ((555/5) + 5) \times (((555 + 5) + 5)/5) \\
&:= ((6 + 6)/6) \times (6666 - ((666 + 6)/6)) \\
&:= ((7 - 7/7) \times (((7 + 7 + 7)/7)^7)) - (7 + 7) \\
&:= ((8 + 8)/8) \times (((888/8) - 8)^8) - 8 + 8/8 \\
&:= ((9 + 9)/9) \times (((9 \times (9 \times (9 \times 9))) - 9) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13109 &:= 11 + (111 \times ((11^{1+1}) - (1 + 1 + 1))) \\
&:= (2 \times ((2/2 + 2)^{2 \times (2+2)})) - ((22/2) + 2) \\
&:= (3 \times (((3 + 3) \times (3^{3+3})) - 3)) - (3/3 + 3) \\
&:= 4 + (((4^4 - 4) \times ((44 + 4) + 4)) + 4/4) \\
&:= 5 + (((5^5 - 5)/5) \times ((55/5 + 5) + 5)) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - (6666/6) \\
&:= ((7 - 7/7) \times (((7 + 7 + 7)/7)^7) - 7/7) - 7 \\
&:= 888 + ((88/8) \times (8888/8)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13110 &:= ((1 + 11) \times 1111) - ((1 + 1) \times 111) \\
&:= 2 \times (((2/2 + 2)^{2 \times (2+2)}) - (2 + 2 + 2)) \\
&:= (3 \times (((3 + 3) \times (3^{3+3})) - 3)) - 3 \\
&:= (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 4)) - 4 \\
&:= 5 + (((5 - 5/5) \times (5^5 - 5)) + (5^5/5)) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) + 6))) - 66 \\
&:= 77 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) - 7/7) \\
&:= ((8 + 8)/8) \times (((888/8) - 8)^8) - 8 + ((8 + 8)/8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 13111 &:= ((1+1) \times ((1+1+1)^{(1+1)^{1+1+1}})) - 11 \\ &:= (2 \times ((2/2+2)^{2 \times (2+2)}) - (22/2)) \\ &:= 3^{3 \times 3} - (((3^3 \times 3) + 33)/3) \\ &:= 4 + (((4^4 - 4) \times ((44+4) + 4)) - 4/4) + 4 \\ &:= 5 + (((5 - 5/5) \times (5^5 - 5)) + ((5^5 + 5)/5)) \\ &:= 6 + (((6+6) \times (6 - (6 \times 6 \times 6))) + ((6 - 6/6)^6)) \\ &:= 77 + (7 \times (7 \times (7 \times 7 \times 7 - 77))) \\ &:= (((8+8)/8) \times (((88/8) - 8)^8)) - (88/8) \\ &:= (9 \times (9 \times (9 \times (9+9)))) - (99/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13112 &:= 11 \times (1111 + ((11 - 1 - 1)^{1+1})) \\ &:= 22 \times (((22+2)^2) - 2) + 22 \\ &:= (3 \times (((3+3) \times (3^{3+3})) - 3)) - 3/3 \\ &:= 4 + (((4^4 - 4) \times ((44+4) + 4)) + 4) \\ &:= ((5+5)/5) \times (((5 - 5/5) + 5)^{5-5/5}) - 5 \\ &:= (6 \times (6 \times ((6 \times (66 - 6)) + 6))) - (((6+6)/6)^6) \\ &:= 7 + (((777/7) \times ((777/7) + 7)) + 7) \\ &:= 8 \times 8 + (((88+8) \times (8 \times (8+8) + 8)) - 8) \\ &:= (9 \times (9 \times (9 \times (9+9)))) - (9/9+9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13113 &:= 1 + (11 \times (1111 + ((11 - 1 - 1)^{1+1}))) \\ &:= 2 + (2 \times ((2/2+2)^{2 \times (2+2)}) - (22/2)) \\ &:= 3 \times (((3+3) \times (3^{3+3})) - 3) \\ &:= 4 + (((4^4 - 4) \times ((44+4) + 4)) + 4/4) + 4 \\ &:= 5^5 + (((5+5)^{5-5/5}) - ((55+5)/5)) \\ &:= (66 \times (6+6)) + ((666/6)^{(6+6)/6}) \\ &:= 77 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) + (7+7)/7) \\ &:= 8888 + ((8/8 + (8 \times 8))^{(8+8)/8}) \\ &:= (9 \times (9 \times (9 \times (9+9)))) - 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13114 &:= ((1 + (1 + (1 + (1 + 111))))^{1+1}) - 111 \\ &:= 2 \times (((2/2+2)^{2 \times (2+2)}) - (2+2)) \\ &:= 3/3 + (3 \times (((3+3) \times (3^{3+3})) - 3)) \\ &:= ((4+4)/4) \times (((4 - 4/4)^{4+4}) - 4) \\ &:= 5^5 + (((5+5)^{5-5/5}) - (55/5)) \\ &:= (((6+6)/6)^6) \times ((6 \times 6 \times 6) - (66/6)) - 6 \\ &:= ((7 - 7/7) \times (((7+7+7)/7)^7)) - (7/7+7) \\ &:= (((8+8)/8) \times (((88/8) - 8)^8)) - 8 \\ &:= 9/9 + ((9 \times (9 \times (9 \times (9+9)))) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13115 &:= 1 + (((1 + (1 + (1 + (1 + 111))))^{1+1}) - 111) \\ &:= 2/2 + (2 \times (((2/2+2)^{2 \times (2+2)}) - (2+2))) \\ &:= 3 + (3 \times (((3+3) \times (3^{3+3})) - 3)) - 3/3 \\ &:= (44/4) + ((4^4 - 4) \times ((44+4) + 4)) \\ &:= 5^5 + (((5+5)^{5-5/5}) - (5+5)) \\ &:= ((6 \times 6 \times 6) - 6/6) \times (66 - 6 + 6/6) \\ &:= ((7 - 7/7) \times (((7+7+7)/7)^7)) - 7 \\ &:= 8/8 + (((8+8)/8) \times (((88/8) - 8)^8)) - 8 \\ &:= ((9+9)/9) + ((9 \times (9 \times (9 \times (9+9)))) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13116 &:= (1+1) \times (((1+1+1)^{(1+1)^{1+1+1}}) - (1+1+1)) \\ &:= (2 \times (((2/2+2)^{2 \times (2+2)}) - 2)) - 2 \\ &:= 3 + (3 \times (((3+3) \times (3^{3+3})) - 3)) \\ &:= 4 + (((4^4 - 4) \times ((44+4) + 4)) + 4) + 4 \\ &:= 5^5 + (((5+5)^{5-5/5}) - (5+5)) + 5/5 \\ &:= (6 \times ((6 \times 6/(6+6))^{6/6+6})) - 6 \\ &:= (7 - 7/7) \times (((7+7+7)/7)^7) - 7/7 \\ &:= (((8+8)/8) \times (((88/8) - 8)^8) + 8/8) - 8 \\ &:= ((9+9+9)/9) + ((9 \times (9 \times (9 \times (9+9)))) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13117 &:= (11^{1+1}) + ((1 + (1 + (1 + 111)))^{1+1}) \\ &:= (2 \times (((2/2+2)^{2 \times (2+2)}) - 2)) - 2/2 \\ &:= ((3 - 3/3) \times (((3^3 \times 3) - 3)/3)) - 3 \\ &:= 4^4 + (((44/4)^4) - ((4 \times 444) + 4)) \\ &:= ((55 - 5/5) \times ((5 - (5+5)/5)^5)) - 5 \\ &:= 6/6 + ((6 \times ((6 \times 6/(6+6))^{6/6+6})) - 6) \\ &:= 7 + (((7 \times (7 \times (7 \times 7 \times 7 - 77))) - 7/7) + 77) \\ &:= 8 + (((88/8) \times (8888/8)) + 888) \\ &:= ((9 - 99)/(9+9)) + (9 \times (9 \times (9 \times (9+9)))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13118 &:= (1+1) \times (((1+1+1)^{(1+1)^{1+1+1}}) - (1+1)) \\ &:= 2 \times (((2/2+2)^{2 \times (2+2)}) - 2) \\ &:= (3 - 3/3) \times (((3^3 \times 3) - (3+3))/3) \\ &:= (((4+4)/4) \times ((4 - 4/4)^{4+4})) - 4 \\ &:= 5^5 + (((5+5)^{5-5/5}) - (((5+5)/5) + 5)) \\ &:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) - (((6+6)/6)^6)) \\ &:= 7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) + 77) \\ &:= ((8+8)/8) \times (((88/8) - 8)^8) - ((8+8)/8) \\ &:= ((9+9)/9) \times ((9 \times (9 \times (9 \times 9))) - ((9+9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13119 &:= ((1+1) \times (((1+1+1)^{(1+1)^{1+1+1}}) - 1)) - 1 \\ &:= 2/2 + (2 \times (((2/2+2)^{2 \times (2+2)}) - 2)) \\ &:= (3 \times ((3+3) \times (3^{3+3}))) - 3 \\ &:= (44 \times (44+4^4)) - ((4 - 4/4)^4) \\ &:= 5^5 + (((5+5)^{5-5/5}) - (5/5+5)) \\ &:= 6 + (((666/6)^{(6+6)/6}) + (66 \times (6+6))) \\ &:= 7 + (((777/7) \times ((777/7) + 7)) + 7) + 7 \\ &:= 8 \times 8 + (((88+8) \times (8 \times (8+8) + 8)) - 8/8) \\ &:= (9 \times (9 \times (9 \times (9+9)))) - ((9+9+9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13120 &:= (1+1) \times (((1+1+1)^{(1+1)^{1+1+1}}) - 1) \\ &:= (2 \times ((2/2+2)^{2 \times (2+2)}) - 2) \\ &:= (3 - 3/3) \times (((3^3 \times 3) - 3)/3) \\ &:= 4 \times (((4+4+4) \times (4^4 - 4)) + 4^4) \\ &:= 5^5 + (((5+5)^{5-5/5}) - 5) \\ &:= (((6+6)/6)^6) \times ((6 \times 6 \times 6) - (66/6)) \\ &:= ((7 - 7/7) \times (((7+7+7)/7)^7)) - ((7+7)/7) \\ &:= 8 \times (((88+8) \times (8/8+8+8)) + 8) \\ &:= (9 \times (9 \times (9 \times (9+9)))) - ((9+9)/9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13121 &:= ((1+1) \times ((1+1+1)^{(1+1)^{1+1+1}})) - 1 \\
&:= (2 \times ((2/2+2)^{2 \times (2+2)})) - 2/2 \\
&:= 3^{3 \times 3} - (((3^{3 \times 3}) + 3)/3) \\
&:= 4^4 + (((44/4)^4) - (4 \times 444)) \\
&:= 5^5 + (((5+5)^{5-5/5}) - 5) + 5/5 \\
&:= (6 \times ((6 \times 6/(6+6))^{6/6+6})) - 6/6 \\
&:= ((7-7/7) \times (((7+7+7)/7)^7)) - 7/7 \\
&:= (((8+8)/8) \times (((88/8) - 8)^8)) - 8/8 \\
&:= (9 \times (9 \times (9 \times (9+9)))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13122 &:= (1+1) \times ((1+1+1)^{(1+1)^{1+1+1}}) \\
&:= 2 \times ((2/2+2)^{2 \times (2+2)}) \\
&:= 3 \times ((3+3) \times (3^{3+3})) \\
&:= ((4+4)/4) \times ((4-4/4)^{4+4}) \\
&:= (55-5/5) \times ((5-(5+5)/5)^5) \\
&:= 6 \times ((6 \times 6/(6+6))^{6/6+6}) \\
&:= (7-7/7) \times (((7+7+7)/7)^7) \\
&:= ((8+8)/8) \times (((88/8) - 8)^8) \\
&:= 9 \times (9 \times (9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13123 &:= 1 + ((1+1) \times ((1+1+1)^{(1+1)^{1+1+1}})) \\
&:= 2/2 + (2 \times ((2/2+2)^{2 \times (2+2)})) \\
&:= 3/3 + (3 \times ((3+3) \times (3^{3+3}))) \\
&:= 4/4 + (((4+4)/4) \times ((4-4/4)^{4+4})) \\
&:= 5^5 + (((5+5)^{5-5/5}) - ((5+5)/5)) \\
&:= 6/6 + (6 \times ((6 \times 6/(6+6))^{6/6+6})) \\
&:= 7/7 + ((7-7/7) \times (((7+7+7)/7)^7)) \\
&:= 8/8 + (((8+8)/8) \times (((88/8) - 8)^8)) \\
&:= 9/9 + (9 \times (9 \times (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13124 &:= (1+1) \times (1 + ((1+1+1)^{(1+1)^{1+1+1}})) \\
&:= 2 + (2 \times ((2/2+2)^{2 \times (2+2)})) \\
&:= (3-3/3) \times (((3^{3 \times 3}) + 3)/3) \\
&:= 4 + (((4^4 - 4) \times ((44+4) + 4)) + 4 \times 4) \\
&:= 5^5 + (((5+5)^{5-5/5}) - 5/5) \\
&:= ((6+6)/6) + (6 \times ((6 \times 6/(6+6))^{6/6+6})) \\
&:= ((7+7)/7) + ((7-7/7) \times (((7+7+7)/7)^7)) \\
&:= ((8+8)/8) \times (((88/8) - 8)^8) + 8/8 \\
&:= ((9+9)/9) + (9 \times (9 \times (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13125 &:= 1 + ((1+1) \times (1 + ((1+1+1)^{(1+1)^{1+1+1}}))) \\
&:= 2 + ((2 \times ((2/2+2)^{2 \times (2+2)})) + 2/2) \\
&:= 3 + (3 \times ((3+3) \times (3^{3+3}))) \\
&:= ((4/4+4)^4) \times (((4 \times 4) + 4/4) + 4) \\
&:= 5^5 + ((5+5)^{5-5/5}) \\
&:= (6 \times 6/(6+6)) + (6 \times ((6 \times 6/(6+6))^{6/6+6})) \\
&:= 777 + (7 \times ((7+7) \times (77+7 \times 7))) \\
&:= ((88/8) + (8 \times 8)) \times ((888/8) + (8 \times 8)) \\
&:= ((9+9+9)/9) + (9 \times (9 \times (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13126 &:= (1+1) \times (1 + (1 + ((1+1+1)^{(1+1)^{1+1+1}}))) \\
&:= 2 \times (((2/2+2)^{2 \times (2+2)} + 2) \\
&:= 3 + ((3 \times ((3+3) \times (3^{3+3}))) + 3/3) \\
&:= 4 + (((4+4)/4) \times ((4-4/4)^{4+4})) \\
&:= 5^5 + (((5+5)^{5-5/5}) + 5/5) \\
&:= 6 + (((6+6)/6)^6) \times ((6 \times 6 \times 6) - (66/6)) \\
&:= 7/7 + ((7 \times ((7+7) \times (77+7 \times 7))) + 777) \\
&:= ((8+8)/8) \times (((88/8) - 8)^8) + ((8+8)/8) \\
&:= ((9+9)/9) \times ((9 \times (9 \times (9 \times 9))) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13127 &:= 1 + ((1+1) \times (1 + (1 + ((1+1+1)^{(1+1)^{1+1+1}})))) \\
&:= 2/2 + (2 \times (((2/2+2)^{2 \times (2+2)} + 2)) \\
&:= 3 + ((3-3/3) \times (((3^{3 \times 3}) + 3)/3)) \\
&:= 4 + (((4+4)/4) \times ((4-4/4)^{4+4})) + 4/4 \\
&:= 5 + ((55-5/5) \times ((5-(5+5)/5)^5)) \\
&:= 6 + ((6 \times ((6 \times 6/(6+6))^{6/6+6})) - 6/6) \\
&:= 7 + (((7-7/7) \times (((7+7+7)/7)^7)) - ((7+7)/7)) \\
&:= 8 + (((88+8) \times (8 \times (8+8) + 8)) - 8/8) + (8 \times 8) \\
&:= (9 \times (9 \times (9 \times (9+9)))) + ((9 \times 9+9)/(9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13128 &:= (1+1) \times (1 + (1 + (1 + ((1+1+1)^{(1+1)^{1+1+1}})))) \\
&:= 2 + (2 \times (((2/2+2)^{2 \times (2+2)} + 2)) \\
&:= 3 + ((3 \times ((3+3) \times (3^{3+3}))) + 3) \\
&:= 4 + (((4^4 - 4) \times ((44+4) + 4)) + 4 \times 4) + 4 \\
&:= 5 + (((5+5)^{5-5/5}) - ((5+5)/5) + 5^5) \\
&:= 6 + (6 \times ((6 \times 6/(6+6))^{6/6+6})) \\
&:= (7-7/7) \times (((7+7+7)/7)^7) + 7/7 \\
&:= 8 + (((88+8) \times (8 \times (8+8) + 8)) + (8 \times 8)) \\
&:= 9 + ((9 \times (9 \times (9 \times (9+9)))) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13129 &:= ((1+1+11) \times ((11111-1)/11)) - 1 \\
&:= 2 + ((2 \times (((2/2+2)^{2 \times (2+2)} + 2)) + 2/2) \\
&:= 3 + (((3 \times ((3+3) \times (3^{3+3}))) + 3/3) + 3) \\
&:= 4 + (((4/4+4)^4) \times (((4 \times 4) + 4/4) + 4)) \\
&:= 5 + (((5+5)^{5-5/5}) - 5/5) + 5^5 \\
&:= 6 + ((6 \times ((6 \times 6/(6+6))^{6/6+6})) + 6/6) \\
&:= 7 + ((7-7/7) \times (((7+7+7)/7)^7)) \\
&:= 8 + (((8+8)/8) \times (((88/8) - 8)^8)) - 8/8 \\
&:= 9 + ((9 \times (9 \times (9 \times (9+9)))) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13130 &:= (1+1+11) \times ((11111-1)/11) \\
&:= 2 \times (((2/2+2)^{2 \times (2+2)} + 2) + 2) \\
&:= (3-3/3) \times (((3^{3 \times 3}) + 3)/3) + 3) \\
&:= ((4+4)/4) \times (((4-4/4)^{4+4}) + 4) \\
&:= 5 + (((5+5)^{5-5/5}) + 5^5) \\
&:= 6 + ((6 \times ((6 \times 6/(6+6))^{6/6+6})) + ((6+6)/6)) \\
&:= 7 + (((7-7/7) \times (((7+7+7)/7)^7)) + 7/7) \\
&:= 8 + (((8+8)/8) \times (((88/8) - 8)^8)) \\
&:= 9 + ((9 \times (9 \times (9 \times (9+9)))) - 9/9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 13131 &:= 1 + ((1 + 1 + 11) \times ((11111 - 1)/11)) \\ &:= 2/2 + (2 \times (((2/2 + 2)^{2 \times (2+2)} + 2) + 2)) \\ &:= 3 \times (((3 + 3) \times (3^{3+3})) + 3) \\ &:= 4/4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4)) \\ &:= 5 + (((5 + 5)^{5-5/5}) + 5^5) + 5/5 \\ &:= (66 \times (6 \times 6 \times 6 - 6)) - ((6 \times 6)/(6 + 6))^6 \\ &:= (7 \times (((7 \times (7 \times 7 \times 7 - 77)) + 7) + 7)) - 7/7 \\ &:= 8 + (((8 + 8)/8) \times (((88/8) - 8)^8)) + 8/8 \\ &:= 9 + (9 \times (9 \times (9 \times (9 + 9)))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13132 &:= 11 + (((1 + 1) \times ((1 + 1 + 1)^{(1+1)^{1+1+1}})) - 1) \\ &:= 2 + (2 \times (((2/2 + 2)^{2 \times (2+2)} + 2) + 2)) \\ &:= 3/3 + (3 \times (((3 + 3) \times (3^{3+3})) + 3)) \\ &:= (4^4 \times (4 + 4)) + ((44 \times (4^4 - 4)) - 4) \\ &:= 5 + (((55 - 5/5) \times ((5 - (5 + 5)/5)^5)) + 5) \\ &:= 6 + (((((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - (66/6))) + 6) \\ &:= 7 \times (((7 \times (7 \times 7 \times 7 - 77)) + 7) + 7) \\ &:= 8 + (((8 + 8)/8) \times (((88/8) - 8)^8) + 8/8) \\ &:= 9 + (9 \times (9 \times (9 \times (9 + 9)))) + 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13133 &:= 11 + ((1 + 1) \times ((1 + 1 + 1)^{(1+1)^{1+1+1}})) \\ &:= (22/2) + (2 \times ((2/2 + 2)^{2 \times (2+2)})) \\ &:= 3^{3 \times 3} + ((33 - (3^{3 \times 3}))/3) \\ &:= 4 + (((4/4 + 4)^4) \times (((4 \times 4) + 4/4) + 4) + 4) \\ &:= (5^5/5) + ((5 - 5/5) \times (((5 + 5)/5) + 5^5)) \\ &:= (66/6) + (6 \times ((6 \times 6)/(6 + 6))^{6/6+6}) \\ &:= 7/7 + (7 \times (((7 \times (7 \times 7 \times 7 - 77)) + 7) + 7)) \\ &:= 88/8 + (((8 + 8)/8) \times (((88/8) - 8)^8)) \\ &:= (99/9) + (9 \times (9 \times (9 \times (9 + 9)))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13134 &:= 1 + (11 + ((1 + 1) \times ((1 + 1 + 1)^{(1+1)^{1+1+1}}))) \\ &:= 2 \times (((((2/2 + 2)^{2 \times (2+2)} + 2) + 2) + 2)) \\ &:= 3 + (3 \times (((3 + 3) \times (3^{3+3})) + 3)) \\ &:= 4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4)) \\ &:= 5 + (((((5 + 5)^{5-5/5}) - 5/5) + 5^5) + 5) \\ &:= 66 \times ((6 \times 6 \times 6) - ((66/6) + 6)) \\ &:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) + (7 + 7)/7 \\ &:= (((8 + 8)/8) + (8 \times 8)) \times (((888/8) + 88)) \\ &:= ((99 + 9)/9) + (9 \times (9 \times (9 \times (9 + 9)))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13135 &:= 11 + ((1 + 1) \times (1 + ((1 + 1 + 1)^{(1+1)^{1+1+1}}))) \\ &:= 2 + ((2 \times ((2/2 + 2)^{2 \times (2+2)})) + (22/2)) \\ &:= 3 + ((3 \times (((3 + 3) \times (3^{3+3})) + 3)) + 3/3) \\ &:= (44 \times (44 + 4^4)) - ((4^4 + 4)/4) \\ &:= 5 + (((5 + 5)^{5-5/5}) + 5^5) + 5 \\ &:= 6/6 + (66 \times ((6 \times 6 \times 6) - ((66/6) + 6))) \\ &:= 7 + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 7/7) \\ &:= 88 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - (8/8 + 8)) \\ &:= (9 \times (9 \times (9 \times (9 + 9)))) + ((99 + 9 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13136 &:= 1 + (11 + ((1 + 1) \times (1 + ((1 + 1 + 1)^{(1+1)^{1+1+1}})))) \\ &:= 2 + (2 \times (((((2/2 + 2)^{2 \times (2+2)} + 2) + 2) + 2)) \\ &:= 3 + (((33 - (3^{3 \times 3}))/3) + (3^{3 \times 3})) \\ &:= (4^4 \times (4 + 4)) + (44 \times (4^4 - 4)) \\ &:= 5^5 + (((5 + 5)^{5-5/5}) + (55/5)) \\ &:= ((6 + 6)/6) + (66 \times ((6 \times 6 \times 6) - ((66/6) + 6))) \\ &:= 7 + (((7 - 7/7) \times (((7 + 7 + 7)/7)^7)) + 7) \\ &:= 88 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - 8) \\ &:= 9 + ((9 \times (9 \times (9 \times (9 + 9)))) + ((9 \times 9 + 9)/(9 + 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13137 &:= ((1 + 1)^{11}) + (11111 - (11 + 11)) \\ &:= (22/2) + (2 \times (((2/2 + 2)^{2 \times (2+2)} + 2)) \\ &:= ((3 + 3) \times ((3 \times (3^{3+3})) + 3)) - 3 \\ &:= ((4 - 4^4)/4) + (44 \times (44 + 4^4)) \\ &:= 5^5 + (((5 + 5)^{5-5/5}) + ((55 + 5)/5)) \\ &:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) - ((6 \times 6)/(6 + 6))^6) \\ &:= 7 + (((7 - 7/7) \times (((7 + 7 + 7)/7)^7)) + 7/7 + 7) \\ &:= (8/8 - 88) \times (8/8 - ((8 \times 8) + 88)) \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - ((9 + 9 + 9)/9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13138 &:= ((1 + 1)^{11}) + ((11 - 1) \times (1111 - (1 + 1))) \\ &:= 2 \times (((2/2 + 2)^{2 \times (2+2)} + (2 \times (2 + 2))) \\ &:= 3/3 + (((3 + 3) \times ((3 \times (3^{3+3})) + 3)) - 3) \\ &:= 4 \times 4 + (((4 + 4)/4) \times ((4 - 4/4)^{4+4})) \\ &:= 5 + (((5 - 5/5) \times (((5 - 5^5) + 5)/5)) + (5 \times 5^5)) \\ &:= (6 \times ((6 \times ((6 \times (66 - 6)) + 6)) - 6)) - ((6 + 6)/6) \\ &:= 7 + ((7 \times (((7 \times (7 \times 7 \times 7 - 77)) + 7) + 7)) - 7/7) \\ &:= ((8 + 8)/8) \times (((88/8) - 8)^8) + 8 \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - ((9 + 9)/9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13139 &:= 1 + (((1 + 1)^{11}) + ((11 - 1) \times (1111 - (1 + 1)))) \\ &:= 2 + ((2 \times (((2/2 + 2)^{2 \times (2+2)} + 2)) + (22/2)) \\ &:= ((3 + 3) \times ((3 \times (3^{3+3})) + 3)) - 3/3 \\ &:= 4 + ((44 \times (44 + 4^4)) - ((4^4 + 4)/4)) \\ &:= (5 \times (5^5 + 5)) + (((5^5 - 55)/5) - 5^5) \\ &:= (6 \times ((6 \times ((6 \times (66 - 6)) + 6)) - 6)) - 6/6 \\ &:= 7 + (7 \times (((7 \times (7 \times 7 \times 7 - 77)) + 7) + 7)) \\ &:= 8/8 + (((8 + 8)/8) \times (((88/8) - 8)^8) + 8) \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - 9/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13140 &:= (1 + 11) \times (1111 - ((1 + 1)^{1+1+1+1})) \\ &:= 22 + (2 \times (((2/2 + 2)^{2 \times (2+2)} - 2)) \\ &:= (3 + 3) \times ((3 \times (3^{3+3})) + 3) \\ &:= 4 + ((44 \times (4^4 - 4)) + (4^4 \times (4 + 4))) \\ &:= 5 + (((5 + 5)^{5-5/5}) + 5^5) + 5 + 5 \\ &:= 6 \times ((6 \times ((6 \times (66 - 6)) + 6)) - 6) \\ &:= 7 + ((7 \times (((7 \times (7 \times 7 \times 7 - 77)) + 7) + 7)) + 7/7) \\ &:= ((8 + 8)/8) \times (((888/8) - 8)^8) + 8/8 + 8 \\ &:= 9 + ((9 \times (9 \times (9 \times (9 + 9)))) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13141 &:= 1 + ((1 + 11) \times (1111 - ((1 + 1)^{1+1+1+1}))) \\ &:= 22 + ((2 \times ((2/2 + 2)^{2 \times (2+2)} - 2)) + 2/2) \\ &:= 3/3 + ((3 + 3) \times ((3 \times (3^{3+3})) + 3)) \\ &:= 4 + ((44 \times (44 + 4^4)) + ((4 - 4^4)/4)) \\ &:= 5^5 + ((55/5 + 5) \times ((5^5 + 5)/5)) \\ &:= 6/6 + (6 \times ((6 \times ((6 \times (66 - 6)) + 6)) - 6)) \\ &:= 7 + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7) + ((7 + 7)/7)) \\ &:= 8 + (((8 + 8)/8) \times (((88/8) - 8)^8)) + (88/8) \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + 9/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13142 &:= (1 + 1) \times (11 + (((1 + 1 + 1)^{(1+1)^{1+1+1}}) - 1)) \\ &:= 22 + ((2 \times ((2/2 + 2)^{2 \times (2+2)})) - 2) \\ &:= 3 + (((3 + 3) \times ((3 \times (3^{3+3})) + 3)) - 3/3) \\ &:= 4 + (((4 + 4)/4) \times ((4 - 4/4)^{4+4}) + 4 \times 4) \\ &:= 5 + (((5 + 5)^{5-5/5}) + ((55 + 5)/5) + 5^5) \\ &:= ((6 + 6)/6) + (6 \times ((6 \times ((6 \times (66 - 6)) + 6)) - 6)) \\ &:= 7 + (((7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 7/7) + 7) \\ &:= 8 + (((8 + 8)/8) + (8 \times 8)) \times ((888/8) + 88) \\ &:= 9 + (9 \times (9 \times (9 \times (9 + 9)))) + (99/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13143 &:= (1 + 1 + 11) \times (11 + ((11 - 1)^{1+1+1})) \\ &:= 22 + ((2 \times ((2/2 + 2)^{2 \times (2+2)})) - 2/2) \\ &:= 3 + ((3 + 3) \times ((3 \times (3^{3+3})) + 3)) \\ &:= (4 - 4/4) \times (((4 - 4^4)/4) + 4444) \\ &:= ((5^5 - (5 + 5))/5) + ((5 - 5/5) \times (5^5 + 5)) \\ &:= (666/6) + (6 \times ((6 \times (6 \times (66 - 6)) + 6) + 6)) \\ &:= 7 + (((7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 7) + 7) \\ &:= 88 + (((88 + 8) \times (8 \times (8 + 8) + 8)) - 8/8) \\ &:= 9 + (9 \times (9 \times (9 \times (9 + 9)))) + ((99 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13144 &:= (1 + 1) \times (11 + ((1 + 1 + 1)^{(1+1)^{1+1+1}})) \\ &:= 22 + (2 \times ((2/2 + 2)^{2 \times (2+2)})) \\ &:= (3 - 3/3) \times (((3^{3 \times 3}) + 33)/3) \\ &:= ((4 - 4^4) + 4) \times ((44 - 4^4)/4) \\ &:= ((5^5 - 5)/5) + ((5 - 5/5) \times (5^5 + 5)) \\ &:= (6 \times (6 \times (6 \times 66))) - ((6666 + 6)/6) \\ &:= 7 \times 7 + (((7 + 7)/7)^7 + 7) \times ((7 \times (7 + 7)) - 7/7) \\ &:= 88 + ((88 + 8) \times (8 \times (8 + 8) + 8)) \\ &:= ((9 + 9)/9) \times (9 \times (9 \times (9 \times 9))) + (99/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13145 &:= 1 + ((1 + 1) \times (11 + ((1 + 1 + 1)^{(1+1)^{1+1+1}}))) \\ &:= 22 + ((2 \times ((2/2 + 2)^{2 \times (2+2)})) + 2/2) \\ &:= 3 + (((3 + 3) \times ((3 \times (3^{3+3})) + 3)) - 3/3) + 3) \\ &:= 4/4 + (((4 - 4^4) + 4) \times ((44 - 4^4)/4)) \\ &:= 55 \times ((5 \times 5 \times (5 + 5)) - (55/5)) \\ &:= (6 \times (6 \times (6 \times 66))) - (6666/6) \\ &:= 77/7 \times (((7777/7) + 77) + 7) \\ &:= 8 + ((8/8 - 88) \times (8/8 - ((8 \times 8) + 88))) \\ &:= (9 \times (9 \times (9 \times (9 + 9)))) + (((99 + 99) + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13146 &:= (1 + 1) \times (1 + (11 + ((1 + 1 + 1)^{(1+1)^{1+1+1}}))) \\ &:= 2 + ((2 \times ((2/2 + 2)^{2 \times (2+2)})) + 22) \\ &:= 3 + (((3 + 3) \times ((3 \times (3^{3+3})) + 3)) + 3) \\ &:= 4 \times 4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4)) \\ &:= ((5^5 + 5)/5) \times ((55/5 + 5) + 5) \\ &:= 6 + (6 \times ((6 \times ((6 \times (66 - 6)) + 6)) - 6)) \\ &:= 7 + ((7 \times (((7 \times (7 \times 7 \times 7 - 77)) + 7) + 7)) + 7) \\ &:= 8 + (((8 + 8)/8) \times (((88/8) - 8)^8) + 8) \\ &:= ((9 + 9)/9) \times (9 \times (9 \times (9 \times 9))) + ((99 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13147 &:= ((1 + 1)^{11}) + (11111 - (1 + 11)) \\ &:= 2 + (((2 \times ((2/2 + 2)^{2 \times (2+2)})) + 22) + 2/2) \\ &:= 3 + ((3 - 3/3) \times (((3^{3 \times 3}) + 33)/3)) \\ &:= 44 + (((4^4 - 4) \times ((44 + 4) + 4)) - 4/4) \\ &:= 5 \times 5 + ((55 - 5/5) \times ((5 - (5 + 5)/5)^5)) \\ &:= 6 + ((6 \times ((6 \times ((6 \times (66 - 6)) + 6)) - 6)) + 6/6) \\ &:= 7 \times 7 + ((777/7) \times ((777/7) + 7)) \\ &:= (((8 - 8/8) + 8) \times (888 - 88/8)) - 8 \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - (9 + 9)/9) + 9) + 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13148 &:= ((1 + 1)^{11}) + (11111 - 11) \\ &:= 22 + (2 \times (((2/2 + 2)^{2 \times (2+2)} + 2)) \\ &:= 3^3 + (((3^{3 \times 3}) - (((3^{3 \times 3}) + 3)/3)) \\ &:= 44 + ((4^4 - 4) \times ((44 + 4) + 4)) \\ &:= (5 \times (5^5 + 5)) + (((5^5 - (5 + 5))/5) - 5^5) \\ &:= 6 + ((6 \times ((6 \times ((6 \times (66 - 6)) + 6)) - 6)) + ((6 + 6)/6)) \\ &:= (7/7 - 77) \times (((7 + 7)/7) - ((7 \times (7 + 7)) + 77)) \\ &:= ((88/8) + 8) \times ((8 \times 88) - ((88 + 8)/8)) \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - 9/9) + 9) + 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13149 &:= 1 + (((1 + 1)^{11}) + (11111 - 11)) \\ &:= 22 + ((2 \times (((2/2 + 2)^{2 \times (2+2)} + 2)) + 2/2) \\ &:= 3 \times (((3 + 3) \times (3^{3+3})) + 3 \times 3) \\ &:= 44 + (((4^4 - 4) \times ((44 + 4) + 4)) + 4/4) \\ &:= (5 \times (5^5 + 5)) + (((5^5 - 5)/5) - 5^5) \\ &:= ((6 + 6) \times (6666/6 - 6)) - (666/6) \\ &:= 77 + (((7 \times 7) - (77/7)) \times ((7 \times 7 \times 7) + 7/7)) \\ &:= 88/8 + (((8 + 8)/8) \times (((88/8) - 8)^8) + 8) \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13150 &:= 1 + (1 + (((1 + 1)^{11}) + (11111 - 11))) \\ &:= 2 + ((2 \times (((2/2 + 2)^{2 \times (2+2)} + 2)) + 22) \\ &:= 3^3 + ((3 \times ((3 + 3) \times (3^{3+3}))) + 3/3) \\ &:= (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4 \times 4)) - 4 \\ &:= 5 \times (((5^5 - 555) + 55) + 5) \\ &:= 6 + ((6 \times (6 \times (6 \times 66))) - (6666 + 6)/6) \\ &:= (((7 + 7)/7)^{7+7} + (77 \times (7 - (7 \times 7)))) \\ &:= ((88 + 8) \times ((8 \times (8 + 8) + 8/8) + 8)) - ((8 + 8)/8) \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + 9/9) + 9) + 9 \end{aligned}$$

- **13151** := $1 + (1 + (1 + ((1 + 1)^{11}) + (11111 - 11)))$
:= $(22 \times ((22 + 2)^2) + 22) - (2/2 + 2 + 2)$
:= $3^3 + ((3 - 3/3) \times ((3^{3 \times 3}) + 3)/3)$
:= $(44 \times (444 + 4)) - ((4 - 4/4)^{4+4})$
:= $5 + (((5^5 + 5)/5) \times ((55/5 + 5) + 5))$
:= $6 + ((6 \times (6 \times (6 \times 66))) - (6666/6))$
:= $7/7 + (((7 + 7)/7)^{7+7} + (77 \times (7 - (7 \times 7))))$
:= $((88 + 8) \times ((8 \times (8 + 8) + 8/8) + 8)) - 8/8$
:= $9 + (((9 \times (9 \times (9 \times (9 + 9)))) + (99/9)) + 9)$
- **13152** := $(1 + 11) \times (1111 - (1 + (1 + 1 + 1 + 11)))$
:= $(2^{2+2}) \times (2 \times ((22 - 2)^2) + 22)$
:= $3 + ((3 \times ((3 + 3) \times (3^{3+3}))) + 3^3)$
:= $(44 \times (44 + 4^4)) - (44 + 4)$
:= $(5 \times (5^5 + 5)) + (((5^5 + 5 + 5)/5) - 5^5)$
:= $6 + ((6 \times ((6 \times ((6 \times (66 - 6)) + 6)) - 6)) + 6)$
:= $7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77))) + (777/7))$
:= $(88 + 8) \times ((8 \times (8 + 8) + 8/8) + 8)$
:= $(999/9) + (9 \times ((9 \times (9 \times (9 + 9))) - 9))$
- **13153** := $1 + ((1 + 11) \times (1111 - (1 + (1 + 1 + 1 + 11))))$
:= $(22 \times ((22 + 2)^2) + 22) - (2/2 + 2)$
:= $33 + ((3 - 3/3) \times (((3^{3 \times 3}) - 3)/3))$
:= $4/4 + ((44 \times (44 + 4^4)) - (44 + 4))$
:= $5 + (((5^5 - (5 + 5))/5) - 5^5 + (5 \times (5^5 + 5)))$
:= $6 + (((6 \times ((6 \times ((6 \times (66 - 6)) + 6)) - 6)) + 6/6) + 6)$
:= $(7 \times ((7 + 7) \times (((7 + 7)/7)^7) + 7)) - 77$
:= $8/8 + ((88 + 8) \times ((8 \times (8 + 8) + 8/8) + 8))$
:= $9 + ((9 \times (9 \times (9 \times (9 + 9)))) + ((99 + 99)/9))$
- **13154** := $11 + ((1 + 1 + 11) \times (11 + ((11 - 1)^{1+1+1}))$
:= $(22 \times ((22 + 2)^2) + 22) - 2$
:= $33 + ((3^{3 \times 3}) - ((3^{3 \times 3}) + 3)/3)$
:= $((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4 \times 4)$
:= $5 + (((5^5 - 5)/5) - 5^5 + (5 \times (5^5 + 5)))$
:= $(6 \times (6 \times ((6 \times (66 - 6)) + 6))) - ((66 + 66)/6)$
:= $7 + (((777/7) \times ((777/7) + 7)) + (7 \times 7))$
:= $((8 + 8)/8) \times (((((88/8) - 8)^8) + 8) + 8)$
:= $9 + (((99 + 99) + 9)/9) + (9 \times (9 \times (9 \times (9 + 9))))$
- **13155** := $((1 + 1)^{11}) + (11111 - (1 + 1 + 1 + 1))$
:= $(22 \times ((22 + 2)^2) + 22) - 2/2$
:= $33 + (3 \times ((3 + 3) \times (3^{3+3})))$
:= $(44 \times (44 + 4^4)) - (44 + 4/4)$
:= $5 + (((5 + 5)^{5-5/5}) + 5^5) + 5 \times 5$
:= $6 + (((6 + 6) \times (6666/6 - 6)) - (666/6))$
:= $((7 + 7)/7)^7 + ((7 \times (7 \times (7 \times 7 \times 7 - 77)))) - 7$
:= $((8 - 8/8) + 8) \times (888 - 88/8)$
:= $(9 \times (9 \times (9 \times (9 + 9)))) + (99/(9 + 9 + 9)/9)$
- **13156** := $11 \times ((11 \times (111 - (1 + 1))) - (1 + 1 + 1))$
:= $22 \times ((22 + 2)^2) + 22$
:= $3/3 + ((3 \times ((3 + 3) \times (3^{3+3}))) + 33)$
:= $44 \times ((44 - 4/4) + 4^4)$
:= $5 + (((5^5 + 5)/5) \times ((55/5 + 5) + 5)) + 5$
:= $6 \times 6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - (66/6))$
:= $77/7 \times (((7777 + 7)/7) + 77) + 7$
:= $8 + (((88/8) + 8) \times ((8 \times 88) - ((88 + 8)/8)))$
:= $(99/9) \times (((99 \times (99 + 9)) - 9)/9) + 9$
- **13157** := $((1 + 1)^{11}) + (11111 - (1 + 1))$
:= $2/2 + (22 \times ((22 + 2)^2) + 22)$
:= $33 + ((3 - 3/3) \times (((3^{3 \times 3}) + 3)/3))$
:= $4/4 + (44 \times ((44 - 4/4) + 4^4))$
:= $5^5 + (((5 + 5)^{5-5/5}) + (((5 + 5)/5)^5))$
:= $(66 - (6/6 + 6)) \times (((6 \times 6 \times 6) + 6/6) + 6)$
:= $((7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 7) - 7$
:= $((8 + 8) \times (888 - (8 \times 8))) - (((88/8) + 8) + 8)$
:= $((9 + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9))) - 9/9$
- **13158** := $((1 + 1)^{11}) + (11111 - 1)$
:= $2 + (22 \times ((22 + 2)^2) + 22)$
:= $(3 + 3) \times (((3 \times (3^{3+3})) + 3) + 3)$
:= $4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4 \times 4))$
:= $((5 + 5)/5) \times (5555 + ((5 - 5/5)^5))$
:= $6 \times (((6 \times 6/(6 + 6))^{6+6}) + 6)$
:= $(7 - 7/7) \times (((7 + 7 + 7)/7)^7 - 7/7) + 7$
:= $(88 - ((8 + 8)/8)) \times (((8 \times 8) + 88) + 8/8)$
:= $(9 + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9))$
- **13159** := $((1 + 1)^{11}) + 11111$
:= $(2^{22/2}) + (22222/2)$
:= $3/3 + ((3 + 3) \times (((3 \times (3^{3+3})) + 3) + 3))$
:= $(4^4 \times (4 + 4)) + (44444/4)$
:= $55 + (((5^5 - 5)/5) \times ((55/5 + 5) + 5))$
:= $6/6 + (6 \times (((6 \times 6/(6 + 6))^{6+6}) + 6))$
:= $((77 - 7) \times ((777/7) + 77)) - 7/7$
:= $(8 \times ((8 + 8) \times (8 + 8))) + (88888/8)$
:= $9/9 + ((9 + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9)))$
- **13160** := $1 + (((1 + 1)^{11}) + 11111)$
:= $2 + ((22 \times ((22 + 2)^2) + 22) + 2)$
:= $3 + (((3 - 3/3) \times (((3^{3 \times 3}) + 3)/3)) + 33)$
:= $4 + (44 \times ((44 - 4/4) + 4^4))$
:= $(5 - 5/5) \times ((55 \times (55 + 5)) - (5 + 5))$
:= $((6 + 6)/6) + (6 \times (((6 \times 6/(6 + 6))^{6+6}) + 6))$
:= $(77 - 7) \times ((777/7) + 77)$
:= $8 + ((88 + 8) \times ((8 \times (8 + 8) + 8/8) + 8))$
:= $9 + (((9 \times (9 \times (9 \times (9 + 9)))) + (99/9)) + 9) + 9$

- **13161** := $1 + (1 + (((1 + 1)^{11}) + 11111))$
:= $2 + ((22222/2) + (2^{22/2}))$
:= $3 + ((3 + 3) \times (((3 \times (3^{3+3})) + 3) + 3))$
:= $4 + ((44 \times ((44 - 4/4) + 4^4)) + 4/4)$
:= $(5 \times (5^5 + 5)) + (((55 + 5^5)/5) - 5^5)$
:= $((6 \times (6 + 6 + 6)) - 6/6) \times (((666/6) + 6) + 6)$
:= $7/7 + ((77 - 7) \times ((777/7) + 77))$
:= $8 + (((88 + 8) \times ((8 \times (8 + 8) + 8/8) + 8)) + 8/8)$
:= $9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 9)) + (999/9))$
- **13162** := $1 + (1 + (1 + (((1 + 1)^{11}) + 11111)))$
:= $2 \times (((2/2 + 2)^{2 \times (2+2)} - 2) + 22)$
:= $3 + (((3 + 3) \times (((3 \times (3^{3+3})) + 3) + 3)) + 3/3)$
:= $44 + (((4 + 4)/4) \times ((4 - 4/4)^{4+4}) - 4)$
:= $((5^5 - 5)/(5 + 5)) + (5 \times (5^5 - 555))$
:= $((6 + 6)/6)^{6+6} + ((6 \times (6 \times (6 \times (6 \times 6 + 6)))) - 6)$
:= $((7 + 7)/7)^7 + (7 \times (7 \times (7 \times 7 - 77)))$
:= $8 + (((8 + 8)/8) \times (((88/8) - 8)^8 + 8) + 8)$
:= $((9 + 9)/9) \times (((9 \times (9 \times (9 \times 9))) + (99/9)) + 9)$
- **13163** := $1 + (1 + (1 + (1 + (((1 + 1)^{11}) + 11111))))$
:= $2 + (((22222/2) + (2^{22/2})) + 2)$
:= $33 + ((3 - 3/3) \times (((3^3 \times 3) + 3)/3 + 3))$
:= $4 + ((44444/4) + (4^4 \times (4 + 4)))$
:= $((5^5 + 5)/(5 + 5)) + (5 \times (5^5 - 555))$
:= $(6 \times (6 \times ((6 \times (66 - 6)) + 6))) - (6/6 + 6 + 6)$
:= $((7 + 7 + 7)/7)^7 + ((7 + 7) \times (777 + 7))$
:= $8 + (((8 - 8/8) + 8) \times (888 - 88/8))$
:= $(9 \times (9 \times (9 \times (9 + 9)))) + (((9 \times (9 \times 9)) + 9)/(9 + 9))$
- **13164** := $(1 + 11) \times (1111 - (1 + 1 + 1 + 11))$
:= $(2 \times (((2/2 + 2)^{2 \times (2+2)} + 22)) - 2)$
:= $33 + (3 \times (((3 + 3) \times (3^{3+3})) + 3))$
:= $4 + ((44 \times ((44 - 4/4) + 4^4)) + 4)$
:= $(5 - 5/5) \times (((555/5) + 5^5) + 55)$
:= $(6 \times (6 \times ((6 \times (66 - 6)) + 6))) - (6 + 6)$
:= $(7 - 7/7) \times (((7 + 7 + 7)/7)^7 + 7)$
:= $((88 + 8)/8) \times (((8 \times (8 \times (8 + 8) + 8)) + 8/8) + 8)$
:= $((99 + 9)/9) \times (((99 \times 99) - 9)/9 + 9)$
- **13165** := $1 + ((1 + 11) \times (1111 - (1 + 1 + 1 + 11)))$
:= $(2 \times (((2/2 + 2)^{2 \times (2+2)} + 22)) - 2/2)$
:= $(3 \times ((3 + 3) \times ((3^{3+3}) + 3))) - (33/3)$
:= $((44/4)^4 + (4 \times (4^4 - ((4/4 + 4)^4)))$
:= $(5^5/5) + ((5 - 5/5) \times (5^5 + 5 + 5))$
:= $(6 \times (6 \times ((6 \times (66 - 6)) + 6))) - (66/6)$
:= $7/7 + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7 + 7))$
:= $((8 + 8) \times (888 - (8 \times 8))) - ((88/8) + 8)$
:= $9 + ((99/9) \times (((99 \times (99 + 9)) - 9)/9 + 9))$
- **13166** := $(11 \times ((11 \times (111 - (1 + 1))) - (1 + 1))) - 1$
:= $2 \times (((2/2 + 2)^{2 \times (2+2)} + 22)$
:= $(3 \times 333) + ((3^3 - (3/3 + 3))^3)$
:= $44 + (((4 + 4)/4) \times ((4 - 4/4)^{4+4}))$
:= $((5^5 + 5)/5) + ((5 - 5/5) \times (5^5 + 5 + 5))$
:= $((6 - 66)/6) + (6 \times (6 \times ((6 \times (66 - 6)) + 6)))$
:= $7777 + ((7 \times (777 - 7)) - 7/7)$
:= $8 + ((88 - ((8 + 8)/8)) \times (((8 \times 8) + 88) + 8/8))$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9)) + (9 + 9)/9)) - 9/9)$
- **13167** := $11 \times ((11 \times (111 - (1 + 1))) - (1 + 1))$
:= $2/2 + (2 \times (((2/2 + 2)^{2 \times (2+2)} + 22))$
:= $3 \times (((3 + 3) \times ((3^{3+3}) + 3)) - 3)$
:= $(44/4) + (44 \times ((44 - 4/4) + 4^4))$
:= $((55/5 + 5) + 5) \times ((5^5 + 5 + 5)/5)$
:= $66 + ((66 \times 6/(6 + 6)) \times ((6 \times 66) + 6/6))$
:= $77 \times (((7 \times (7 \times 7) - 7)/7) + 7)$
:= $((88/8) + 8) \times ((8 \times 88) - 88/8)$
:= $9 + ((9 + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9)))$
- **13168** := $1 + (11 \times ((11 \times (111 - (1 + 1))) - (1 + 1)))$
:= $2 + (2 \times (((2/2 + 2)^{2 \times (2+2)} + 22))$
:= $3/3 + (3 \times (((3 + 3) \times ((3^{3+3}) + 3)) - 3))$
:= $4 \times (((4 + 4) \times 444) - (4^4 + 4))$
:= $5 + ((5 \times (5^5 - 555)) + ((5^5 + 5)/(5 + 5)))$
:= $((6 + 6)/6)^{6+6} + (6 \times (6 \times (6 \times (6 \times 6 + 6))))$
:= $7/7 + ((7 \times (777 - 7)) + 7777)$
:= $(8 + 8) \times (888 - (8/8 + (8 \times 8)))$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9))) + 9/9)$
- **13169** := $(1 + 1 + 11) \times (((1 + 1)^{11-1}) - 11)$
:= $((22 - 2)^2) + (((222/2) + 2)^2)$
:= $3 + (((3^3 - (3/3 + 3))^3) + (3 \times 333))$
:= $44 + (((4/4 + 4)^4) \times (((4 \times 4) + 4/4) + 4))$
:= $(5^5/5) + ((5 - 5/5) \times ((55/5) + 5^5))$
:= $(6 \times (6 \times ((6 \times (66 - 6)) + 6))) - (6/6 + 6)$
:= $(7 \times (7 \times ((7 \times 7) - 7))) + (7777/7)$
:= $8/8 + ((8 + 8) \times (888 - (8/8 + (8 \times 8))))$
:= $(99/9) + ((9 + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9)))$
- **13170** := $11 + (((1 + 1)^{11}) + 11111)$
:= $2 \times (((2/2 + 2)^{2 \times (2+2)} + 22) + 2)$
:= $3 + (3 \times (((3 + 3) \times ((3^{3+3}) + 3)) - 3))$
:= $4 + (((4 + 4)/4) \times ((4 - 4/4)^{4+4}) + 44)$
:= $5^5 + ((5 \times (5^5 - 5)) - 5555)$
:= $(6 \times (6 \times ((6 \times (66 - 6)) + 6))) - 6$
:= $(7 - 7/7) \times (((7 + 7 + 7)/7)^7 + 7/7 + 7)$
:= $8 \times 8 + (((8 + 8)/8) \times (((88/8) - 8)^8 - 8))$
:= $9 + (((9 \times ((9 \times (9 \times (9 + 9))) - 9)) + (999/9)) + 9)$

$$\begin{aligned}
\blacktriangleright 13171 &:= 1 + (11 + (((1+1)^{11}) + 11111)) \\
&:= 2 + (((222/2) + 2)^2) + ((22 - 2)^2) \\
&:= 3 + ((3 \times ((3+3) \times ((3^{3+3}) + 3)) - 3) + 3/3) \\
&:= 4 + ((44 \times ((44 - 4/4) + 4^4)) + 44/4) \\
&:= 5 \times 5 + (((5^5 + 5)/5) \times ((55/5 + 5) + 5)) \\
&:= 6/6 + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) - 6) \\
&:= 7 + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7 + 7)) \\
&:= 8 + (((8 - 8/8) + 8) \times (888 - 88/8)) + 8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + (((9 \times 99) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13172 &:= 1 + (1 + (11 + (((1+1)^{11}) + 11111))) \\
&:= 2 + (2 \times (((2/2 + 2)^{2 \times (2+2)} + 22) + 2)) \\
&:= (3 \times ((3+3) \times ((3^{3+3}) + 3))) - (3/3 + 3) \\
&:= 4 + (4 \times (((4+4) \times 444) - (4^4 + 4))) \\
&:= 5 + (((55/5 + 5) + 5) \times ((5^5 + 5 + 5)/5)) \\
&:= ((6+6)/6) + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) - 6) \\
&:= 7 + (((7 - 7/7) \times (((7 + 7 + 7)/7)^7 + 7)) + 7/7) \\
&:= (8/8 + 88) \times (888/(8 - ((8+8)/8))) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + (((9 \times 99) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13173 &:= 1 + (1 + (1 + (11 + (((1+1)^{11}) + 11111)))) \\
&:= 2 + (((((222/2) + 2)^2) + ((22 - 2)^2)) + 2) \\
&:= (3 \times ((3+3) \times ((3^{3+3}) + 3))) - 3 \\
&:= ((44/4)^4) - (444 + (4 \times 4^4)) \\
&:= 5^5 + ((55/5 + 5) \times (((5^5 - (5+5))/5) + 5)) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) + 6))) - (6 \times 6/(6+6)) \\
&:= 7 + (((7 \times (777 - 7)) - 7/7) + 7777) \\
&:= ((8+8) \times (888 - (8 \times 8))) - (88/8) \\
&:= ((9+9) \times ((9 \times (9 \times 9)) + 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13174 &:= ((1+11) \times (1111 - (1+1+11))) - (1+1) \\
&:= 2 \times (((((2/2 + 2)^{2 \times (2+2)} + 22) + 2) + 2)) \\
&:= 3/3 + ((3 \times ((3+3) \times ((3^{3+3}) + 3))) - 3) \\
&:= 44 + (((4+4)/4) \times (((4 - 4/4)^{4+4}) + 4)) \\
&:= ((5 - 5/5)^5) + (5 \times (5555 - 5^5)) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) + 6))) - ((6+6)/6) \\
&:= 7 + ((7 \times (777 - 7)) + 7777) \\
&:= ((8 - 88)/8) + ((8+8) \times (888 - (8 \times 8))) \\
&:= ((9 - 999)/9) + ((9+9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13175 &:= ((1+11) \times (1111 - (1+1+11))) - 1 \\
&:= ((22 + 2/2) + 2) \times (((22 + 2/2)^2) - 2) \\
&:= (3 \times ((3+3) \times ((3^{3+3}) + 3))) - 3/3 \\
&:= (((4 - 4/4)^4) + 4) \times ((444/4) + 44) \\
&:= 5 \times (((5^5 - 555) + 55) + 5) + 5 \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) + 6))) - 6/6 \\
&:= 77 + ((777/7) \times ((777/7) + 7)) \\
&:= ((8+8) \times (888 - (8 \times 8))) - (8/8 + 8) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) - (((9/9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13176 &:= (1+11) \times (1111 - (1+1+11)) \\
&:= 22 + ((22 \times (((22 + 2)^2) + 22)) - 2) \\
&:= 3 \times ((3+3) \times ((3^{3+3}) + 3)) \\
&:= (44/4 + 4 \times 4) \times (444 + 44) \\
&:= ((5 \times 5) - 5/5) \times (555 - (5/5 + 5)) \\
&:= 6 \times (6 \times ((6 \times (66 - 6)) + 6)) \\
&:= 7 + ((77777/7) + (7 \times (7 \times ((7 \times 7) - 7)))) \\
&:= ((8+8) \times (888 - (8 \times 8))) - 8 \\
&:= (9+9) \times (((9+9+9)/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13177 &:= (11 \times ((11 \times (111 - (1+1))) - 1)) - 1 \\
&:= ((2+2+2)^{2+2}) + ((222/2 - 2)^2) \\
&:= 3/3 + (3 \times ((3+3) \times ((3^{3+3}) + 3))) \\
&:= 4 + (((44/4)^4) - (444 + (4 \times 4^4))) \\
&:= 55 + ((55 - 5/5) \times ((5 - (5+5)/5)^5)) \\
&:= 6/6 + (6 \times (6 \times ((6 \times (66 - 6)) + 6))) \\
&:= (((7+7)/7)^7) \times (((777 - 7)/7) - 7) - 7 \\
&:= 8/8 + (((8+8) \times (888 - (8 \times 8))) - 8) \\
&:= 9/9 + ((9+9) \times (((9+9+9)/9) + (9 \times (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13178 &:= 11 \times ((11 \times (111 - (1+1))) - 1) \\
&:= 22 + (22 \times (((22 + 2)^2) + 22)) \\
&:= 3 + ((3 \times ((3+3) \times ((3^{3+3}) + 3))) - 3/3) \\
&:= (44/4) \times ((4 \times (44 + 4^4)) - ((4+4)/4)) \\
&:= ((55 + 55)/5) \times (((5^5 - 5)/5) - (5 \times 5)) \\
&:= ((6+6)/6) + (6 \times (6 \times ((6 \times (66 - 6)) + 6))) \\
&:= 7 + (((7 - 7/7) \times (((7 + 7 + 7)/7)^7 + 7)) + 7) \\
&:= 8 \times 8 + (((8+8)/8) \times (((88/8) - 8)^8) - 8) \\
&:= (99/9) \times (((99 \times (99 + 9)) + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13179 &:= 1 + (11 \times ((11 \times (111 - (1+1))) - 1)) \\
&:= (22 + 2/2) \times (((22 + 2)^2) - (2/2 + 2)) \\
&:= 3 + (3 \times ((3+3) \times ((3^{3+3}) + 3))) \\
&:= (((4^4 + 4)/4) + 4) \times (4^4 - ((4^4 + 4)/4)) \\
&:= 55 + (((5+5)^{5-5/5}) - 5/5) + 5^5 \\
&:= (6 \times 6/(6+6)) + (6 \times (6 \times ((6 \times (66 - 6)) + 6))) \\
&:= (7 \times (7 \times (((7 \times (7 \times 77)) - 7)/(7+7)))) - ((7+7)/7) \\
&:= 88/8 + ((8+8) \times (888 - (8/8 + (8 \times 8)))) \\
&:= 99 + (((99+9)/9) \times (((99 \times 99) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13180 &:= 1 + (1 + (11 \times ((11 \times (111 - (1+1))) - 1))) \\
&:= 2 + ((22 \times (((22 + 2)^2) + 22)) + 22) \\
&:= 3 + ((3 \times ((3+3) \times ((3^{3+3}) + 3))) + 3/3) \\
&:= (44 \times (44 + 4^4)) - (4 \times 4 + 4) \\
&:= 55 + (((5+5)^{5-5/5}) + 5^5) \\
&:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) - ((6+6)/6)) \\
&:= (7 \times (7 \times (((7 \times (7 \times 77)) - 7)/(7+7)))) - 7/7 \\
&:= ((8+8) \times (888 - (8 \times 8))) - (8 \times 8/(8+8)) \\
&:= (99/9 + 9) \times ((9 \times ((9 \times 9) - 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13181 &:= 1 + (1 + (1 + (11 \times ((11 \times (111 - (1 + 1))) - 1)))) \\
&:= (((222/2) + 2) + 2)^2 - (2 \times 22) \\
&:= ((3 + 3) \times (((3 \times 3) + 3/3) + 3^3)) - 3/3 \\
&:= (((444/4) + 4)^{(4+4)/4}) - 44 \\
&:= 5 + (((5 \times 5) - 5/5) \times (555 - (5/5 + 5))) \\
&:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) - 6/6) \\
&:= 7 \times (7 \times (((7 \times (7 \times 77)) - 7)/(7 + 7))) \\
&:= 8 + (((8 + 8) \times (888 - (8 \times 8))) - 88/8) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13182 &:= (1 + 1) \times ((1 + 1 + 1) \times ((1 + 1 + 11)^{1+1+1})) \\
&:= (2 + 2 + 2) \times (((22/2) + 2)^{2/2+2}) \\
&:= (3 + 3) \times (((3 \times 3) + 3/3) + 3^3) \\
&:= (44 \times (44 + 4^4)) - (((4 + 4)/4) + 4 \times 4) \\
&:= ((55 + 5 + 5)/5) \times (((5 - 5/5)^5) - (5 + 5)) \\
&:= 6 + (6 \times (6 \times ((6 \times (66 - 6)) + 6))) \\
&:= 7/7 + (7 \times (7 \times (((7 \times (7 \times 77)) - 7)/(7 + 7)))) \\
&:= ((8 + 8) \times (888 - (8 \times 8))) - ((8 + 8)/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13183 &:= 1 + ((1 + 1) \times ((1 + 1 + 1) \times ((1 + 1 + 11)^{1+1+1}))) \\
&:= 2 + (((222/2) + 2) + 2)^2 - (2 \times 22) \\
&:= 3/3 + ((3 + 3) \times (((3 \times 3) + 3/3) + 3^3)) \\
&:= (44 \times (44 + 4^4)) - ((4 \times 4) + 4/4) \\
&:= 5 + (((55 + 55)/5) \times (((5^5 - 5)/5) - (5 \times 5))) \\
&:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) + 6/6) \\
&:= ((7 + 7)/7) + (7 \times (7 \times (((7 \times (7 \times 77)) - 7)/(7 + 7)))) \\
&:= ((8 + 8) \times (888 - (8 \times 8))) - 8/8 \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13184 &:= (1 + 1) \times (1 + ((1 + 1 + 1) \times ((1 + 1 + 11)^{1+1+1}))) \\
&:= (2^{2+2+2}) \times (222 - (2^{2+2})) \\
&:= (3 \times (((3 + 3) \times ((3^{3+3}) + 3)) + 3)) - 3/3 \\
&:= 4 \times (((4 + 4) \times 444) - 4^4) \\
&:= (5 - 5/5) \times (((55 \times (55 + 5)) - 5) + 5/5) \\
&:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) + ((6 + 6)/6)) \\
&:= (((7 + 7)/7)^7) \times (((777 - 7)/7) - 7) \\
&:= (8 + 8) \times (888 - (8 \times 8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) - ((9/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13185 &:= (1 + 1 + 1) \times (1 + ((1 + 1) \times ((1 + 1 + 11)^{1+1+1}))) \\
&:= (2 \times (2 - 22)) + (((222/2) + 2) + 2)^2 \\
&:= 3 \times (((3 + 3) \times ((3^{3+3}) + 3)) + 3) \\
&:= 4/4 + (4 \times (((4 + 4) \times 444) - 4^4)) \\
&:= 5 + (((5 + 5)^{5-5/5}) + 5^5) + 55 \\
&:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) + (6 \times 6/(6 + 6))) \\
&:= (((77 - 7)/7) + 7) \times (777 - 7/7) - 7 \\
&:= 8/8 + ((8 + 8) \times (888 - (8 \times 8))) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13186 &:= (11 \times (11 \times (111 - (1 + 1)))) - (1 + 1 + 1) \\
&:= 2 + ((2^{2+2+2}) \times (222 - (2^{2+2}))) \\
&:= 3/3 + (3 \times (((3 + 3) \times ((3^{3+3}) + 3)) + 3)) \\
&:= (4 \times (4 \times 4)) + (((4 + 4)/4) \times ((4 - 4/4)^{4+4})) \\
&:= 5 + (((5 \times 5) - 5/5) \times (555 - (5/5 + 5))) + 5 \\
&:= ((66 - 6)/6) + (6 \times (6 \times ((6 \times (66 - 6)) + 6))) \\
&:= (((77 + 7)/7) + 7) \times (((7 \times (7 \times (7 + 7))) + 7/7) + 7) \\
&:= 8 \times 8 + (((8 + 8)/8) \times (((88/8) - 8)^8)) \\
&:= 9/9 + ((9 \times ((9 \times (9 \times (9 + 9))) + 9)) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13187 &:= (11 \times (11 \times (111 - (1 + 1)))) - (1 + 1) \\
&:= (((22/2)^2) \times (222/2 - 2)) - 2 \\
&:= (33/3) + (3 \times ((3 + 3) \times ((3^{3+3}) + 3))) \\
&:= 4 + ((44 \times (44 + 4^4)) - ((4 \times 4) + 4/4)) \\
&:= 5 + (((55 + 5 + 5)/5) \times (((5 - 5/5)^5) - (5 + 5))) \\
&:= (66/6) + (6 \times (6 \times ((6 \times (66 - 6)) + 6))) \\
&:= 7 + ((7 \times (7 \times (((7 \times (7 \times 77)) - 7)/(7 + 7)))) - 7/7) \\
&:= 88/8 + (((8 + 8) \times (888 - (8 \times 8))) - 8) \\
&:= ((9 + 9)/9) + ((9 \times ((9 \times (9 \times (9 + 9))) + 9)) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13188 &:= (1 + 11) \times (1111 - (1 + 11)) \\
&:= (2 + 2 + 2) \times (2222 - (22 + 2)) \\
&:= 3 + (3 \times (((3 + 3) \times ((3^{3+3}) + 3)) + 3)) \\
&:= 4 + (4 \times (((4 + 4) \times 444) - 4^4)) \\
&:= ((55 + 5)/5) \times ((55 \times (5 \times 5 - 5)) - 5/5) \\
&:= 6 + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) + 6) \\
&:= 7 + (7 \times (7 \times (((7 \times (7 \times 77)) - 7)/(7 + 7)))) \\
&:= (8 \times 8/(8 + 8)) + ((8 + 8) \times (888 - (8 \times 8))) \\
&:= ((99 + 9)/9) \times (((99 \times 99) + 9)/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13189 &:= 11 \times (11 \times (111 - (1 + 1))) \\
&:= ((22/2)^2) \times (222/2 - 2) \\
&:= 3 + ((3 \times (((3 + 3) \times ((3^{3+3}) + 3)) + 3)) + 3/3) \\
&:= (44 \times (44 + 4^4)) - (44/4) \\
&:= 5^5 + ((55/5 + 5) \times (((5^5 - 5)/5) + 5)) \\
&:= 6 + (((6 \times (6 \times ((6 \times (66 - 6)) + 6))) + 6/6) + 6) \\
&:= (((7 + 7)/7)^7) - 7 \times ((77/7) + (7 \times (7 + 7))) \\
&:= (88/8) \times ((8888/8) + 88) \\
&:= (99/9) \times ((99/9) \times ((9/9 + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13190 &:= 1 + (11 \times (11 \times (111 - (1 + 1)))) \\
&:= 2 + ((2 + 2 + 2) \times (2222 - (22 + 2))) \\
&:= (3 - 3/3) \times (((3^{3 \times 3}) + 3)/3) + 33 \\
&:= ((4 - 44)/4) + (44 \times (44 + 4^4)) \\
&:= 5^5 + ((5 \times 5^5) - (5555 + 5)) \\
&:= 6 + (((6 \times (6 \times ((6 \times (66 - 6)) + 6))) + ((6 + 6)/6)) + 6) \\
&:= 7 + ((7 \times (7 \times (((7 \times (7 \times 77)) - 7)/(7 + 7)))) + (7 + 7)/7) \\
&:= 8 + (((8 + 8) \times (888 - (8 \times 8))) - ((8 + 8)/8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) - ((99 + 9 + 9)/9)
\end{aligned}$$

- **13191** := $1 + (1 + (11 \times (11 \times (111 - (1 + 1)))))$
:= $2 + (((22/2)^2) \times (222/2 - 2))$
:= $((3 + 3) \times ((3 \times ((3^{3+3}) + 3)) + 3)) - 3$
:= $(44 \times (44 + 4^4)) - ((4/4 + 4) + 4)$
:= $((5 - 5/5) \times ((55 \times (55 + 5)) - 5/5)) - 5$
:= $6 + (((6 \times (6 \times ((6 \times (66 - 6)) + 6))) + (6 \times 6/(6 + 6))) + 6)$
:= $7 + (((7 + 7)/7)^7) \times (((777 - 7)/7) - 7)$
:= $8 + (((8 + 8) \times (888 - (8 \times 8))) - 8/8)$
:= $(9 \times ((9 \times (9 \times (9 + 9))) + 9)) - ((99 + 9)/9)$
- **13192** := $1 + (1 + (1 + (1 + (11 \times (11 \times (111 - (1 + 1))))))$
:= $2 + (((2 + 2 + 2) \times (2222 - (22 + 2))) + 2)$
:= $3/3 + (((3 + 3) \times ((3 \times ((3^{3+3}) + 3)) + 3)) - 3)$
:= $(44 \times (44 + 4^4)) - (4 + 4)$
:= $(5 - 5/5) \times ((55 \times (55 + 5)) - ((5 + 5)/5))$
:= $6 + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) + ((66 - 6)/6))$
:= $((77 - 7)/7 + 7) \times (777 - 7/7)$
:= $8 + ((8 + 8) \times (888 - (8 \times 8)))$
:= $(9 \times ((9 \times (9 \times (9 + 9))) + 9)) - (99/9)$
- **13193** := $1 + (1 + (1 + (1 + (1 + (11 \times (11 \times (111 - (1 + 1)))))))$
:= $(((((22/2)^2) + 2)^2) - ((2 \times 22)^2))$
:= $((3 + 3) \times ((3 \times ((3^{3+3}) + 3)) + 3)) - 3/3$
:= $4 + ((44 \times (44 + 4^4)) - 44/4)$
:= $5 + (((55 + 5)/5) \times ((55 \times (5 \times 5 - 5)) - 5/5))$
:= $6 + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) + (66/6))$
:= $7/7 + (((77 - 7)/7) + 7) \times (777 - 7/7)$
:= $8 + (((8 + 8) \times (888 - (8 \times 8))) + 8/8)$
:= $(9 \times ((9 \times (9 \times (9 + 9))) + 9)) - (9/9 + 9)$
- **13194** := $1 + (1 + (1 + (1 + (1 + (1 + (11 \times (11 \times (111 - (1 + 1))))))))$
:= $2 \times (((2/2 + 2)^{2 \times (2+2)} + ((2 + 2 + 2)^2))$
:= $(3 + 3) \times ((3 \times ((3^{3+3}) + 3)) + 3)$
:= $(44 \times (44 + 4^4)) - (((4 + 4)/4) + 4)$
:= $5^5 + ((5 \times 5^5) - (5555 + 5/5))$
:= $(66 \times (6 \times 6 \times 6 - 6)) - 666$
:= $(7 - 7/7) \times (((7 + 7 + 7)/7)^7) + ((77 + 7)/7)$
:= $8 + (((8 + 8)/8) \times (((88/8) - 8)^8)) + (8 \times 8)$
:= $(9 \times ((9 \times (9 \times (9 + 9))) + 9)) - 9$
- **13195** := $(1 + 1 + 11) \times (1 + (1 + (((1 + 1)^{11-1}) - 11)))$
:= $2 + (((((22/2)^2) + 2)^2) - ((2 \times 22)^2))$
:= $3/3 + ((3 + 3) \times ((3 \times ((3^{3+3}) + 3)) + 3))$
:= $(44 \times (44 + 4^4)) - (4/4 + 4)$
:= $5^5 + ((5 \times 5^5) - 5555)$
:= $6/6 + ((66 \times (6 \times 6 \times 6 - 6)) - 666)$
:= $(777 \times (((77 - 7)/7) + 7)) - (7 + 7)$
:= $88/8 + ((8 + 8) \times (888 - (8 \times 8)))$
:= $9/9 + ((9 \times (9 \times (9 + 9))) + 9) - 9$
- **13196** := $((1 + 11) \times (1111 - 11)) - (1 + 1 + 1 + 1)$
:= $2 \times ((22 \times ((2^{2 \times (2+2)} + 2 \times 22)) - 2)$
:= $3 + (((3 + 3) \times ((3 \times ((3^{3+3}) + 3)) + 3)) - 3/3)$
:= $(44 \times (44 + 4^4)) - 4$
:= $(5 - 5/5) \times ((55 \times (55 + 5)) - 5/5)$
:= $((6 + 6)/6) + ((66 \times (6 \times 6 \times 6 - 6)) - 666)$
:= $7 + (((7 + 7)/7)^7 - 7) \times ((77/7) + (7 \times (7 + 7)))$
:= $((88 + 8)/8) + ((8 + 8) \times (888 - (8 \times 8)))$
:= $((9 + 9)/9) + ((9 \times (9 \times (9 + 9))) + 9) - 9$
- **13197** := $((1 + 11) \times (1111 - 11)) - (1 + 1 + 1)$
:= $(2/2 + 2) \times (((22 \times ((22 - 2)^2)) - 2)/2)$
:= $3 + ((3 + 3) \times ((3 \times ((3^{3+3}) + 3)) + 3))$
:= $4/4 + ((44 \times (44 + 4^4)) - 4)$
:= $(55 - ((5 + 5)/5)) \times ((5 \times 5 \times (5 + 5)) - 5/5)$
:= $66 + ((66 \times (6 \times 6 \times 6 - 6)) - ((6 \times 6/(6 + 6))^6))$
:= $((77 - 7/7) + 7) \times (((777 - 7)/7) + (7 \times 7))$
:= $8 + ((88/8) \times ((8888/8) + 88))$
:= $((9 + 9 + 9)/9) + ((9 \times ((9 \times (9 \times (9 + 9))) + 9)) - 9)$
- **13198** := $((1 + 11) \times (1111 - 11)) - (1 + 1)$
:= $(22 \times (((22 + 2)^2) + 22) + 2) - 2$
:= $3 + (((3 + 3) \times ((3 \times ((3^{3+3}) + 3)) + 3)) + 3/3)$
:= $(44 \times (44 + 4^4)) - ((4 + 4)/4)$
:= $((5 + 5)/5) \times ((55 \times (5 \times 5 \times 5 - 5)) - 5/5)$
:= $((6 + 6)/6) \times (6666 - (66 + 6/6))$
:= $(777 \times (((77 - 7)/7) + 7)) - (77/7)$
:= $((8 - 8/8) + 8) \times (888 - 8) - ((8 + 8)/8)$
:= $((9 - 99)/(9 + 9)) + (9 \times ((9 \times (9 \times (9 + 9))) + 9))$
- **13199** := $((1 + 11) \times (1111 - 11)) - 1$
:= $(((((222/2) + 2) + 2)^2) - (22 + 2 + 2))$
:= $((3^3 - 3)^3) - (((3 - 3/3) + 3)^{3/3+3})$
:= $(44 \times (44 + 4^4)) - 4/4$
:= $((5 + 5) \times (55 \times ((5 \times 5) - 5/5))) - 5/5$
:= $(66 + 6/6) \times (((66 \times (6 + 6 + 6)) - 6)/6)$
:= $77 + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7))$
:= $((8 - 8/8) + 8) \times (888 - 8) - 8/8$
:= $((9 - (9 \times 9))/(9 + 9)) + (9 \times ((9 \times (9 \times (9 + 9))) + 9))$
- **13200** := $(1 + 11) \times (1111 - 11)$
:= $22 \times (((22 + 2)^2) + 22) + 2$
:= $(3 + 3) \times (((3 \times 3) + 3/3) + 3)^3 + 3$
:= $44 \times (44 + 4^4)$
:= $(5 + 5) \times (55 \times ((5 \times 5) - 5/5))$
:= $(6 + 6) \times (((6666 - 66)/6)$
:= $(7/7 + 7) \times (((7777/7) + (7 \times 77))$
:= $((8 - 8/8) + 8) \times (888 - 8)$
:= $((99/9) + 99) \times ((999/9) + 9)$

$$\begin{aligned}
 \blacktriangleright 13201 &:= 1 + ((1 + 11) \times (1111 - 11)) \\
 &:= (((222/2) + 2) + 2)^2 - (22 + 2) \\
 &:= 3/3 + ((3 + 3) \times (((3 \times 3) + 3/3) + 3^3) + 3) \\
 &:= 4/4 + (44 \times (44 + 4^4)) \\
 &:= 5/5 + ((5 + 5) \times (55 \times ((5 \times 5) - 5/5))) \\
 &:= 6/6 + ((6 + 6) \times ((6666 - 66)/6)) \\
 &:= (777 \times (((77 - 7)/7) + 7)) - (7/7 + 7) \\
 &:= 8/8 + (((8 - 8/8) + 8) \times (888 - 8)) \\
 &:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) - ((9 + 9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13202 &:= 1 + (1 + ((1 + 11) \times (1111 - 11))) \\
 &:= (22 + 2/2) \times (((22 + 2)^2) - 2) \\
 &:= ((3^3 - 3/3)^3) - ((3 + 3) \times (3^{3+3})) \\
 &:= ((4 + 4)/4) + (44 \times (44 + 4^4)) \\
 &:= ((5 + 5)/5) + ((5 + 5) \times (55 \times ((5 \times 5) - 5/5))) \\
 &:= ((6 + 6)/6) \times ((6666 - 66) + 6/6) \\
 &:= (777 \times (((77 - 7)/7) + 7)) - 7 \\
 &:= 8 \times 8 + (((8 + 8)/8) \times (((88/8) - 8)^8) + 8) \\
 &:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) - 9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13203 &:= 1 + (1 + (1 + ((1 + 11) \times (1111 - 11)))) \\
 &:= (((222/2) + 2) + 2)^2 - 22 \\
 &:= 3 \times (((3 + 3) \times (3^{3+3})) + 3^3) \\
 &:= 4 + ((44 \times (44 + 4^4)) - 4/4) \\
 &:= 5 + (((5 + 5)/5) \times ((55 \times (5 \times 5 \times 5 - 5)) - 5/5)) \\
 &:= 6 \times 6 \times 6 + ((666/6) \times ((666/6) + 6)) \\
 &:= 7/7 + ((777 \times (((77 - 7)/7) + 7)) - 7) \\
 &:= 8 + (((8 + 8) \times (888 - (8 \times 8))) + (88/8)) \\
 &:= 9 \times ((9 \times (9 \times (9 + 9))) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13204 &:= 1 + (1 + (1 + (1 + ((1 + 11) \times (1111 - 11)))))) \\
 &:= 2 + ((22 + 2/2) \times (((22 + 2)^2) - 2)) \\
 &:= 3/3 + (3 \times (((3 + 3) \times (3^{3+3})) + 3^3)) \\
 &:= 4 + (44 \times (44 + 4^4)) \\
 &:= (5 - 5/5) \times ((55 \times (55 + 5)) + 5/5) \\
 &:= ((6 + 6)/6) \times (6666 - (((6 + 6)/6)^6)) \\
 &:= ((7 + 7)/7) + ((777 \times (((77 - 7)/7) + 7)) - 7) \\
 &:= 8 + (((8 + 8) \times (888 - (8 \times 8))) + ((88 + 8)/8)) \\
 &:= 9/9 + (9 \times ((9 \times (9 \times (9 + 9))) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13205 &:= (111 \times ((11^{1+1}) - (1 + 1))) - (1 + 1 + 1 + 1) \\
 &:= 2 + (((222/2) + 2) + 2)^2 - 22 \\
 &:= 3 + (((3^3 - 3/3)^3) - ((3 + 3) \times (3^{3+3}))) \\
 &:= 4 + ((44 \times (44 + 4^4)) + 4/4) \\
 &:= 5 + ((5 + 5) \times (55 \times ((5 \times 5) - 5/5))) \\
 &:= (6 \times ((6 \times ((6 \times (66 - 6)) + 6)) + 6)) - (6/6 + 6) \\
 &:= 7777 + ((7 \times 777) - (77/7)) \\
 &:= ((88/8) + 8) \times ((8 \times 88) - (8/8 + 8)) \\
 &:= ((9 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9))) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13206 &:= (111 \times ((11^{1+1}) - (1 + 1))) - (1 + 1 + 1) \\
 &:= 2 + (((22 + 2/2) \times (((22 + 2)^2) - 2)) + 2) \\
 &:= 3 + (3 \times (((3 + 3) \times (3^{3+3})) + 3^3)) \\
 &:= 4 + ((44 \times (44 + 4^4)) + ((4 + 4)/4)) \\
 &:= 5 + (((5 + 5) \times (55 \times ((5 \times 5) - 5/5))) + 5/5) \\
 &:= (6 \times ((6 \times ((6 \times (66 - 6)) + 6)) + 6)) - 6 \\
 &:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 7 + 7) \\
 &:= 8 + (((8 - 8/8) + 8) \times (888 - 8)) - ((8 + 8)/8) \\
 &:= ((9 + 9 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9))) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13207 &:= (111 \times ((11^{1+1}) - (1 + 1))) - (1 + 1) \\
 &:= ((222/2) \times (((22/2)^2) - 2)) - 2 \\
 &:= 3 + ((3 \times (((3 + 3) \times (3^{3+3})) + 3^3)) + 3/3) \\
 &:= 4 + (((44 \times (44 + 4^4)) - 4/4) + 4) \\
 &:= (((5 + 5)/5) + 5)^5 - ((55 + 5)^{(5+5)/5}) \\
 &:= ((6 - 6/6)^6) - ((6 \times ((6 \times 66) + 6)) + 6) \\
 &:= (777 \times (((77 - 7)/7) + 7)) - ((7 + 7)/7) \\
 &:= 8 + (((8 - 8/8) + 8) \times (888 - 8)) - 8/8 \\
 &:= (((9 \times 9) - 9)/(9 + 9)) + (9 \times ((9 \times (9 \times (9 + 9))) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13208 &:= (111 \times ((11^{1+1}) - (1 + 1))) - 1 \\
 &:= 2 \times ((22 + 2 + 2) \times ((2^{2 \times (2+2)} - 2)) \\
 &:= 33 + ((3 \times ((3 + 3) \times (3^{3+3}) + 3))) - 3/3 \\
 &:= 4 + ((44 \times (44 + 4^4)) + 4) \\
 &:= (5 - 5/5) \times ((55 \times (55 + 5)) + ((5 + 5)/5)) \\
 &:= 6 + (((6 + 6)/6) \times ((6666 - 66) + 6/6)) \\
 &:= (777 \times (((77 - 7)/7) + 7)) - 7/7 \\
 &:= 8 + (((8 - 8/8) + 8) \times (888 - 8)) \\
 &:= ((9 \times 9 + 9)/(9 + 9)) + (9 \times ((9 \times (9 \times (9 + 9))) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13209 &:= 111 \times ((11^{1+1}) - (1 + 1)) \\
 &:= (222/2) \times (((22/2)^2) - 2) \\
 &:= 33 + (3 \times ((3 + 3) \times (3^{3+3}) + 3)) \\
 &:= 4 + (((44 \times (44 + 4^4)) + 4/4) + 4) \\
 &:= (555/5) \times ((5 \times 5 \times 5) - (5/5 + 5)) \\
 &:= (6/6 + 6) \times (((66/6) + 6) \times (666/6)) \\
 &:= 777 \times (((77 - 7)/7) + 7) \\
 &:= (888/8) \times ((888/8) + 8) \\
 &:= (999/9) \times (((99/9) + 99) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13210 &:= 1 + (111 \times ((11^{1+1}) - (1 + 1))) \\
 &:= 2 \times (((2/2) + 2)^{2 \times (2+2)} + 2 \times 22) \\
 &:= 3/3 + ((3 \times ((3 + 3) \times (3^{3+3}) + 3)) + 33) \\
 &:= ((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 44) \\
 &:= 5 + (((5 + 5) \times (55 \times ((5 \times 5) - 5/5))) + 5) \\
 &:= 666 + (((666 + 6)/6)^{(6+6)/6}) \\
 &:= 7/7 + (777 \times (((77 - 7)/7) + 7)) \\
 &:= 88 + (((8 + 8)/8) \times (((88/8) - 8)^8)) \\
 &:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) + 9)) - ((9 + 9)/9))
 \end{aligned}$$

- ▶ **13211** := $1111 + ((111 - 1)^{1+1})$
:= $2 + ((222/2) \times (((22/2)^2) - 2))$
:= $((33/3)^3) + (33 \times (333 + 3^3))$
:= $(44/4) + (44 \times (44 + 4^4))$
:= $(55/5) + ((5 + 5) \times (55 \times ((5 \times 5) - 5/5)))$
:= $(6 \times ((6 \times ((6 \times (66 - 6)) + 6)) + 6)) - 6/6$
:= $((7 + 7)/7) + (777 \times (((77 - 7)/7) + 7))$
:= $88/8 + (((8 - 8/8) + 8) \times (888 - 8))$
:= $9 + ((9 \times ((9 \times (9 \times (9 + 9)))) + 9)) - 9/9$
- ▶ **13212** := $(1 + 11) \times (1 + (1111 - 11))$
:= $(2 + 2 + 2) \times ((2222 - 22) + 2)$
:= $3 \times (((3 + 3) \times (3^{3+3})) + 3^3) + 3$
:= $4 + (((44 \times (44 + 4^4)) + 4) + 4)$
:= $((55 + 5)/5) \times ((55 \times (5 \times 5 - 5)) + 5/5)$
:= $6 \times ((6 \times ((6 \times (66 - 6)) + 6)) + 6)$
:= $(77/7 + 7) \times ((7 \times (7 \times (7 + 7) + 7)) - 7/7)$
:= $88 + (((8 + 8)/8) \times (((88/8) - 8)^8) + 8/8)$
:= $9 + (9 \times ((9 \times (9 \times (9 + 9)))) + 9)$
- ▶ **13213** := $1 + ((1 + 11) \times (1 + (1111 - 11)))$
:= $(2 \times 222) + (((222/2) + 2)^2)$
:= $3/3 + (3 \times (((3 + 3) \times (3^{3+3})) + 3^3) + 3)$
:= $4 + (((44 \times (44 + 4^4)) + 4/4) + 4) + 4$
:= $5 + ((5 - 5/5) \times ((55 \times (55 + 5)) + ((5 + 5)/5)))$
:= $((6 - 6/6)^6) - (6 \times ((6 \times 66) + 6))$
:= $7 + ((7 - 7/7) \times (((((7 + 7)/7)^7) + 7) + 7))$
:= $8 + (((88/8) + 8) \times ((8 \times 88) - (8/8 + 8)))$
:= $9 + ((9 \times ((9 \times (9 \times (9 + 9)))) + 9)) + 9/9$
- ▶ **13214** := $((1 + (1 + (1 + (1 + 111))))^{1+1}) - 11$
:= $((((222/2) + 2) + 2)^2) - (22/2)$
:= $(33/3) + (3 \times (((3 + 3) \times (3^{3+3})) + 3^3))$
:= $4 + ((44 \times (44 + 4^4)) + ((44 - 4)/4))$
:= $5 + ((555/5) \times ((5 \times 5 \times 5) - (5/5 + 5)))$
:= $6/6 + (((6 - 6/6)^6) - (6 \times ((6 \times 66) + 6)))$
:= $7777 + ((7 \times 777) - ((7 + 7)/7))$
:= $((8 - 88)/8) + (((88/8) + 8) \times ((8 \times 88) - 8))$
:= $(99/9) + (9 \times ((9 \times (9 \times (9 + 9)))) + 9)$
- ▶ **13215** := $1 + (((1 + (1 + (1 + (1 + 111))))^{1+1}) - 11)$
:= $2 + (((222/2) + 2)^2) + (2 \times 222)$
:= $3 + (3 \times (((3 + 3) \times (3^{3+3})) + 3^3) + 3)$
:= $4 + ((44 \times (44 + 4^4)) + 44/4)$
:= $(5 \times ((5 \times (555 - 5 \times 5)) - 5)) - (5 + 5)$
:= $6 + ((6/6 + 6) \times (((66/6) + 6) \times (666/6)))$
:= $7777 + ((7 \times 777) - 7/7)$
:= $((8 - 8/8) + 8) \times ((888 - 8) + 8/8)$
:= $((99 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9)))) + 9)$
- ▶ **13216** := $(1 + 111) \times ((11^{1+1}) - (1 + 1 + 1))$
:= $2 + (((((222/2) + 2) + 2)^2) - (22/2))$
:= $((((333 + 3)/3) + 3)^{3-3/3}) - (3 \times 3)$
:= $4 \times 4 + (44 \times (44 + 4^4))$
:= $(5 - 5/5) \times (((55 \times (55 + 5)) - 5/5) + 5)$
:= $((666 + 6)/6) \times (((666 + 6)/6) + 6)$
:= $7777 + (7 \times 777)$
:= $(((88/8) + 8) \times ((8 \times 88) - 8)) - 8$
:= $((99 + 9 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9)))) + 9)$
- ▶ **13217** := $1 + ((1 + 111) \times ((11^{1+1}) - (1 + 1 + 1)))$
:= $((((222/2) + 2) + 2)^2) - (2 \times (2 + 2))$
:= $(3 \times (((3 + 3) \times (3^{3+3})) + 33)) - (3/3 + 3)$
:= $4 \times 4 + ((44 \times (44 + 4^4)) + 4/4)$
:= $5 + (((55 + 5)/5) \times ((55 \times (5 \times 5 - 5)) + 5/5))$
:= $6 + ((6 \times ((6 \times ((6 \times (66 - 6)) + 6)) + 6)) - 6/6)$
:= $7/7 + (7777 + (7 \times 777))$
:= $8 + ((888/8) \times ((888/8) + 8))$
:= $9 + ((9 \times ((9 \times (9 \times (9 + 9)))) + 9)) + ((9 \times 9 + 9)/(9 + 9))$
- ▶ **13218** := $1 + (1 + ((1 + 111) \times ((11^{1+1}) - (1 + 1 + 1))))$
:= $222 + (((222 + 2)/2) + 2)^2$
:= $(3 \times (((3 + 3) \times (3^{3+3})) + 33)) - 3$
:= $4 \times 4 + ((44 \times (44 + 4^4)) + ((4 + 4)/4))$
:= $(5 \times (5 \times (555 - 5 \times 5))) - (((5 + 5)/5)^5)$
:= $6 + (6 \times ((6 \times ((6 \times (66 - 6)) + 6)) + 6))$
:= $((7 + 7)/7) + (7777 + (7 \times 777))$
:= $8 + (((8 + 8)/8) \times (((88/8) - 8)^8) + 88)$
:= $9 + ((999/9) \times (((99/9) + 99) + 9))$
- ▶ **13219** := $11 + ((111 \times ((11^{1+1}) - (1 + 1))) - 1)$
:= $((((222/2) + 2) + 2)^2) - (2 + 2 + 2)$
:= $3/3 + ((3 \times (((3 + 3) \times (3^{3+3})) + 33)) - 3)$
:= $4 + (((44 \times (44 + 4^4)) + 44/4) + 4)$
:= $(5 \times 5^5) - (((((5 + 5)/5) + 5)^{5-5/5}) + 5)$
:= $6 + (((6 - 6/6)^6) - (6 \times ((6 \times 66) + 6)))$
:= $(7 \times ((7 + 7) \times (((7 + 7)/7)^7) + 7)) - (77/7)$
:= $8 + (((8 - 8/8) + 8) \times (888 - 8)) + (88/8)$
:= $99 + ((9 \times (9 \times (9 \times (9 + 9)))) - ((9 + 9)/9))$
- ▶ **13220** := $11 + (111 \times ((11^{1+1}) - (1 + 1)))$
:= $2 + (((((222 + 2)/2) + 2)^2) + 222)$
:= $((3 \times 3) + 3/3) \times (((33/3)^3) - 3 \times 3)$
:= $4 + ((44 \times (44 + 4^4)) + 4 \times 4)$
:= $(5 - 5/5) \times ((55 \times (55 + 5)) + 5)$
:= $6 + (((6 - 6/6)^6) - (6 \times ((6 \times 66) + 6))) + 6/6$
:= $(77/7) + (777 \times (((77 - 7)/7) + 7))$
:= $88/8 + ((888/8) \times ((888/8) + 8))$
:= $99 + ((9 \times (9 \times (9 \times (9 + 9)))) - 9/9)$

$$\begin{aligned}
\blacktriangleright 13221 &:= ((1 + 11) \times 1111) - 111 \\
&:= (((222/2) + 2) + 2)^2 - (2 + 2) \\
&:= 3 \times (((3 + 3) \times (3^{3+3})) + 33) \\
&:= (((444/4) + 4)^{(4+4)/4}) - 4 \\
&:= 5^5 + ((55/5 + 5) \times (((5^5 + 5)/5) + 5)) \\
&:= ((666/6) + 6) \times (((666 + 6) + 6)/6) \\
&:= 7 + ((7777 - ((7 + 7)/7)) + (7 \times 777)) \\
&:= 8 + (((88/8) + 8) \times ((8 \times 88) - (8/8 + 8))) + 8) \\
&:= 99 + (9 \times (9 \times (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13222 &:= 1 + (((1 + 11) \times 1111) - 111) \\
&:= (((222/2) + 2) + 2)^2 - (2/2 + 2) \\
&:= 3/3 + (3 \times (((3 + 3) \times (3^{3+3})) + 33)) \\
&:= 4/4 + (((444/4) + 4)^{(4+4)/4}) - 4 \\
&:= ((55 + 55)/5) \times (((5^5 + 5)/5) - (5 \times 5)) \\
&:= 6 + (((666 + 6)/6) \times (((666 + 6)/6) + 6)) \\
&:= 7 + (7777 - 7/7) + (7 \times 777) \\
&:= (((88/8) + 8) \times ((8 \times 88) - 8)) - ((8 + 8)/8) \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9)))) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13223 &:= ((1 + (1 + (1 + (1 + 111))))^{1+1}) - (1 + 1) \\
&:= (((222/2) + 2) + 2)^2 - 2 \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) - 3 \times 3)) \\
&:= (44 \times (44 + 4)) + (44444/4) \\
&:= (5 \times (5 \times 555) - 5) - ((5^5 + 5 + 5)/5) \\
&:= (66/6) + (6 \times ((6 \times (6 \times (66 - 6)) + 6) + 6)) \\
&:= 7 + (7777 + (7 \times 777)) \\
&:= (((88/8) + 8) \times ((8 \times 88) - 8)) - 8/8 \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9)))) + 9) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13224 &:= ((1 + (1 + (1 + (1 + 111))))^{1+1}) - 1 \\
&:= (((222/2) + 2) + 2)^2 - 2/2 \\
&:= 3 + (3 \times (((3 + 3) \times (3^{3+3})) + 33)) \\
&:= 4 + (((44 \times (44 + 4^4)) + 4 \times 4) + 4) \\
&:= (5 \times 5^5) - (((5 + 5)/5) + 5)^{5-5/5} \\
&:= 6 + ((6 \times (6 \times (6 \times (66 - 6)) + 6) + 6) + 6) \\
&:= 7 + (7777 + (7 \times 777)) + 7/7 \\
&:= ((88/8) + 8) \times ((8 \times 88) - 8) \\
&:= (999/9) + ((9 \times (9 \times (9 \times (9 + 9)))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13225 &:= (1 + (1 + (1 + (1 + 111))))^{1+1} \\
&:= (((222/2) + 2) + 2)^2 \\
&:= (((333 + 3)/3) + 3)^{3-3/3} \\
&:= (((444/4) + 4)^{(4+4)/4}) \\
&:= 5 \times ((5 \times (555 - 5 \times 5)) - 5) \\
&:= (((6 \times (6 + 6 + 6)) + 6/6) + 6)^{(6+6)/6} \\
&:= ((77 - (77/7)) + (7 \times 7))^{(7+7)/7} \\
&:= 8/8 + (((88/8) + 8) \times ((8 \times 88) - 8)) \\
&:= (((99 - ((9 + 9)/9)) + 9) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13226 &:= 1 + ((1 + (1 + (1 + (1 + 111))))^{1+1}) \\
&:= 2/2 + (((222/2) + 2) + 2)^2 \\
&:= 3/3 + (((333 + 3)/3) + 3)^{3-3/3} \\
&:= 4/4 + (((444/4) + 4)^{(4+4)/4}) \\
&:= 5^5 + (555555/55) \\
&:= ((6 \times 6) - ((6 + 6)/6)) \times ((6 \times 66) - (6/6 + 6)) \\
&:= (((77 - 7)/7) + 7) \times (777 + 7/7) \\
&:= 88 + (((8 + 8)/8) \times (((88/8) - 8)^8) + 8) \\
&:= 9/9 + (((99 - ((9 + 9)/9)) + 9) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13227 &:= 1 + (1 + ((1 + (1 + (1 + (1 + 111))))^{1+1})) \\
&:= 2 + (((222/2) + 2) + 2)^2 \\
&:= (3 \times ((3 + 3) \times (((3^{3+3}) + 3) + 3))) - 3 \\
&:= 4 \times 4 + ((44 \times (44 + 4^4)) + 44/4) \\
&:= ((5 + 5)/5) + (5 \times ((5 \times (555 - 5 \times 5)) - 5)) \\
&:= 6 + (((666/6) + 6) \times (((666 + 6) + 6)/6)) \\
&:= (77/7) + (7777 + (7 \times 777)) \\
&:= 88/8 + (((88/8) + 8) \times ((8 \times 88) - 8)) - 8 \\
&:= 9 + (((999/9) \times ((99/9) + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13228 &:= 1 + (1 + (1 + ((1 + (1 + (1 + (1 + 111))))^{1+1}))) \\
&:= 2 + (((222/2) + 2) + 2)^2 + 2/2 \\
&:= 3 + (((333 + 3)/3) + 3)^{3-3/3} \\
&:= 44 + (4 \times (((4 + 4) \times 444) - 4^4)) \\
&:= 5 + ((5 \times (5 \times 555) - 5) - ((5^5 + 5 + 5)/5)) \\
&:= ((6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6)) - ((6 + 6)/6) \\
&:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7) + 7)) - ((7 + 7)/7) \\
&:= (((88 + 8)/8) \times ((8888/8) - 8)) - 8 \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - (9 + 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13229 &:= 1 + (1 + (1 + (1 + ((1 + (1 + (1 + (1 + 111))))^{1+1})))) \\
&:= 2 + (((222/2) + 2) + 2)^2 + 2) \\
&:= (3 \times ((3 + 3) \times (((3^{3+3}) + 3) + 3))) - 3/3 \\
&:= 4 + (((444/4) + 4)^{(4+4)/4}) \\
&:= 5 + ((5 \times 5^5) - (((5 + 5)/5) + 5)^{5-5/5}) \\
&:= ((6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6)) - 6/6 \\
&:= (7 \times ((7 + 7) \times (((7 + 7)/7)^7) + 7)) - 7/7 \\
&:= ((8 + 8) \times 888) - ((88/8) \times (8/8 + 88)) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13230 &:= (11 - 1) \times (1 + (1 + (1 + (11 \times ((11^{1+1}) - 1)))) \\
&:= ((2 \times (2 + 2)) + 22) \times ((22 - 2/2)^2) \\
&:= 3 \times ((3 + 3) \times (((3^{3+3}) + 3) + 3)) \\
&:= 4 + (((444/4) + 4)^{(4+4)/4}) + 4/4 \\
&:= 5 + (5 \times ((5 \times (555 - 5 \times 5)) - 5)) \\
&:= (6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6) \\
&:= 7 \times ((7 + 7) \times (((7 + 7)/7)^7) + 7) \\
&:= ((8 - 8/8) + 8) \times (((8 + 8)/8) - 8) + 888 \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9)))) + 99)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 13231 &:= ((11 \times (1 + 11)) - 1) \times (1 + ((11 - 1)^{1+1})) \\ &:= 2 + ((((((222/2) + 2) + 2)^2) + 2) + 2) \\ &:= 3/3 + (3 \times ((3 + 3) \times (((3^{3+3}) + 3) + 3))) \\ &:= (4^4 \times ((44 + 4) + 4)) - ((4 - 4/4)^4) \\ &:= 5 + ((5 \times ((5 \times (555 - 5 \times 5)) - 5)) + 5/5) \\ &:= 6 + (((6 \times (6 + 6 + 6)) + 6/6) + 6)^{(6+6)/6} \\ &:= 7/7 + (7 \times ((7 + 7) \times (((7 + 7)/7)^7) + 7))) \\ &:= 8 + (((88/8) + 8) \times ((8 \times 88) - 8)) - 8/8 \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + 99) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13236 &:= 11 + (((1 + (1 + (1 + (1 + 111))))^{1+1}) \\ &:= (22/2) + (((222/2) + 2) + 2)^2) \\ &:= 3 + ((3 \times ((3 + 3) \times (((3^{3+3}) + 3) + 3))) + 3) \\ &:= 4 + ((44 \times (44 + 4^4)) + (4 \times (4 + 4))) \\ &:= 5^5 + (((5 + 5)^{5-5/5}) + (555/5)) \\ &:= 6 + ((6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6)) \\ &:= 7 + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7) + 7))) - 7/7 \\ &:= ((88 + 8)/8) \times ((8888/8) - 8) \\ &:= ((99 + 9)/9) \times (((9999 + 9)/9) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13232 &:= 11 + (((1 + 11) \times 1111) - 111) \\ &:= 2 + (((2 \times (2 + 2)) + 22) \times ((22 - 2/2)^2)) \\ &:= 3 + ((3 \times ((3 + 3) \times (((3^{3+3}) + 3) + 3))) - 3/3) \\ &:= 4 \times ((44 \times ((4 - 4/4)^4)) - 4^4) \\ &:= (((5 + 5)/5) + 5)^5 - (55 \times (55 + 5 + 5)) \\ &:= 6 + (((6 \times 6) - ((6 + 6)/6)) \times ((6 \times 66) - (6/6 + 6))) \\ &:= 7 + (((77 - (77/7)) + (7 \times 7))^{(7+7)/7}) \\ &:= 8 + (((88/8) + 8) \times ((8 \times 88) - 8)) \\ &:= 99 + ((9 \times (9 \times (9 \times (9 + 9)))) + (99/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13237 &:= 1 + (11 + ((1 + (1 + (1 + (1 + 111))))^{1+1})) \\ &:= (2 \times (2 + 2 + 2)) + (((222/2) + 2) + 2)^2) \\ &:= (((3/3 + 3)^3) - 3) \times (((3 + 3)^3) + 3/3) \\ &:= 4 + (((44/4)^4) - (4 \times ((4 + 4) \times 44))) \\ &:= 5 + (((5 + 5)/5) + 5)^5 - (55 \times (55 + 5 + 5)) \\ &:= ((6 - 6/6)^6) - (((6 \times (6 \times 66)) + 6) + 6) \\ &:= 7 + (7 \times ((7 + 7) \times (((7 + 7)/7)^7) + 7))) \\ &:= (8 \times ((8 \times (88 + 8)) + 888)) - (88/8) \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - ((9 + 9)/9)) + 99) + 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13233 &:= ((1 + 11) \times (1 + 1111)) - 111 \\ &:= (2 \times (2 + 2)) + (((222/2) + 2) + 2)^2) \\ &:= 3 + (3 \times ((3 + 3) \times (((3^{3+3}) + 3) + 3))) \\ &:= ((44/4)^4) - (4 \times ((4 + 4) \times 44)) \\ &:= (5 \times 5 \times 555) - (((55 + 5^5) + 5)/5) + 5 \\ &:= (66 \times 6/(6 + 6)) \times (((6 \times 66) - 6/6) + 6) \\ &:= 7 + (((77 - 7)/7) + 7) \times (777 + 7/7) \\ &:= 8 + (((88/8) + 8) \times ((8 \times 88) - 8)) + 8/8 \\ &:= (999/9) + (9 \times (9 \times (9 \times (9 + 9)))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13238 &:= 1 + (1 + (11 + ((1 + (1 + (1 + (1 + 111))))^{1+1}))) \\ &:= 2 + (((222/2) + 2) + 2)^2) + (22/2) \\ &:= (3 \times (((3 + 3) \times (((3^{3+3}) + 3) + 3))) + 3) - 3/3 \\ &:= 4 + (((44/4)^4) - (4 \times ((4 + 4) \times 44))) + 4/4 \\ &:= (5 \times 5 \times 555) - (((55 + 5^5) + 5)/5) \\ &:= ((6 - 6/6)^6) - ((6 \times (6 \times 66)) + (66/6)) \\ &:= 7 + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7) + 7))) + 7/7 \\ &:= 8 + (((8 - 8/8) + 8) \times (((8 + 8)/8) - 8) + 888) \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - 9/9) + 99) + 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13234 &:= 1 + (((1 + 11) \times (1 + 1111)) - 111) \\ &:= (22/2) + (((222/2) + 2) + 2)^2) - 2) \\ &:= (3^3 - 3/3) \times (((3 - 3/3)^{3 \times 3}) - 3) \\ &:= 4/4 + (((44/4)^4) - (4 \times ((4 + 4) \times 44))) \\ &:= ((5 \times 5) + 5/5) \times (((5^5 - 555)/5) - 5) \\ &:= (((6 + 6)/6)^6) + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) - 6) \\ &:= 7 + ((7777 + (7 \times 777)) + (77/7)) \\ &:= ((8 + 8)/8) \times (((88/8) - 8)^8) - 8) + (8 \times 8) \\ &:= (9 \times (9 \times (9 \times (9 + 9)))) + ((999 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13239 &:= 1 + (1 + (1 + (11 + ((1 + (1 + (1 + (1 + 111))))^{1+1})))) \\ &:= (2^{2+2}) + (((222/2) + 2) + 2)^2) - 2) \\ &:= 3 \times (((3 + 3) \times (((3^{3+3}) + 3) + 3))) + 3) \\ &:= 44 + ((44 \times (44 + 4^4)) - (4/4 + 4)) \\ &:= (5 \times 5 \times 555) - ((55 + 5^5)/5) \\ &:= 6 + ((66 \times 6/(6 + 6)) \times (((6 \times 66) - 6/6) + 6)) \\ &:= 7 + (((77 - (77/7)) + (7 \times 7))^{(7+7)/7}) + 7) \\ &:= (8/8 + 8) \times (((88 \times (8 + 8)) - 8/8) + (8 \times 8)) \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + 99) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13235 &:= 11 + (((1 + (1 + (1 + (1 + 111))))^{1+1}) - 1) \\ &:= 2 + (((222/2) + 2) + 2)^2) + (2 \times (2 + 2))) \\ &:= 3 + (((3 \times ((3 + 3) \times (((3^{3+3}) + 3) + 3))) - 3/3) + 3) \\ &:= 4 + ((4^4 \times ((44 + 4) + 4)) - ((4 - 4/4)^4)) \\ &:= 5 + ((5 \times ((5 \times (555 - 5 \times 5)) - 5)) + 5) \\ &:= 6 + (((6 + 6 + 6) \times (((6 \times 6/(6 + 6))^6) + 6)) - 6/6) \\ &:= (((7 + 7)/7)^7) \times ((777/7) - 7) - 77 \\ &:= 88/8 + (((88/8) + 8) \times ((8 \times 88) - 8)) \\ &:= (9 \times (9 \times (9 \times (9 + 9)))) + (((999 + 9) + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13240 &:= (((1 + 1 + 11) \times ((1 + 1)^{11}) - 11) - 1)/(1 + 1) \\ &:= 2 \times (((2 \times (2 \times (22 - 2)))^2) - 2) + 222) \\ &:= 3 + (((3/3 + 3)^3) - 3) \times (((3 + 3)^3) + 3/3) \\ &:= 44 + ((44 \times (44 + 4^4)) - 4) \\ &:= (5 \times (5 \times (555 - 5 \times 5))) - (5 + 5) \\ &:= (((6 + 6)/6)^6) + (6 \times (6 \times ((6 \times (66 - 6)) + 6))) \\ &:= 7 + (((77 - 7)/7) + 7) \times (777 + 7/7) + 7) \\ &:= (8 \times ((8 \times (88 + 8)) + 888)) - 8 \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + 99) + 9/9) + 9 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13241 &:= (1 + ((1 + 1 + 11) \times (((1 + 1)^{11}) - 11))) / (1 + 1) \\
&:= (2^{2+2}) + (((222/2) + 2) + 2)^2 \\
&:= (33/3) + (3 \times ((3 + 3) \times (((3^3+3) + 3) + 3))) \\
&:= 4 \times 4 + (((444/4) + 4)^{(4+4)/4}) \\
&:= 5/5 + ((5 \times (5 \times (555 - 5 \times 5))) - (5 + 5)) \\
&:= 66 + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) - 6/6) \\
&:= 77 + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 7) \\
&:= 8/8 + ((8 \times ((8 \times (88 + 8)) + 888)) - 8) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + (99/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13242 &:= 1 + (1 + ((1 + 1 + 11) \times (((1 + 1)^{11}) - 11))) / (1 + 1) \\
&:= (2 + 2 + 2) \times (((2 \times 22) + 2/2) + 2)^2 - 2 \\
&:= 3 + (3 \times (((3 + 3) \times (((3^3+3) + 3) + 3)) + 3)) \\
&:= 44 + ((44 \times (44 + 4^4)) - ((4 + 4)/4)) \\
&:= (((55 + 5 + 5)/5) \times (((5 - 5/5)^5) - 5)) - 5 \\
&:= 66 + (6 \times (6 \times ((6 \times (66 - 6)) + 6))) \\
&:= 7 + (((7 + 7)/7)^7) \times ((777/7) - 7) - 77 \\
&:= (((8 + 8)/8) \times (((88/8) - 8)^8) + (8 \times 8)) - 8 \\
&:= 9 + (9 \times (9 \times (9 \times (9 + 9)))) + (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13243 &:= ((1 + 1)^{11-1}) + ((11 \times 1111) - (1 + 1)) \\
&:= 2 + (((222/2) + 2) + 2)^2 + (2^{2+2}) \\
&:= 3 + (((3/3 + 3)^3) - 3) \times (((3 + 3)^3) + 3/3) + 3 \\
&:= 44 + ((44 \times (44 + 4^4)) - 4/4) \\
&:= (5 \times 5 \times 555) - (((5^5 + 5 + 5)/5) + 5) \\
&:= ((6 - 6/6)^6) - ((6 \times (6 \times 66)) + 6) \\
&:= (((77 - 7)/7) + 7) \times (((7 + 7)/7) + 777) \\
&:= ((88/8) + 8) \times (((8 \times 88) - 8) + 8/8) \\
&:= 9 + (9 \times (9 \times (9 \times (9 + 9)))) + ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13244 &:= ((1 + 1)^{11-1}) + ((11 \times 1111) - 1) \\
&:= 2 \times (((2 \times (2 \times (22 - 2)))^2) + 222) \\
&:= ((3^3 - 3)^3) - (((3 \times 3 + 3)^3) + 3)/3 + 3 \\
&:= 44 + (44 \times (44 + 4^4)) \\
&:= (5 \times 5 \times 555) - (((5^5 + 5)/5) + 5) \\
&:= 6/6 + (((6 - 6/6)^6) - ((6 \times (6 \times 66)) + 6)) \\
&:= 77 \times ((7 \times 7 \times 7 \times 7 + 7)/(7 + 7)) \\
&:= 8 + (((88 + 8)/8) \times ((8888/8) - 8)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + ((999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13245 &:= ((1 + 1)^{11-1}) + (11 \times 1111) \\
&:= 22 + (((222/2) + 2) + 2)^2 - 2 \\
&:= ((3^3 - 3)^3) - (((3 \times 3 + 3)^3)/3) + 3 \\
&:= 44 + ((44 \times (44 + 4^4)) + 4/4) \\
&:= (5 \times (5 \times (555 - 5 \times 5))) - 5 \\
&:= ((6 + 6)/6) + (((6 - 6/6)^6) - ((6 \times (6 \times 66)) + 6)) \\
&:= 7/7 + (77 \times ((7 \times 7 \times 7 \times 7 + 7)/(7 + 7))) \\
&:= 8 + ((8 \times ((8 \times (88 + 8)) + 888)) - 88/8) \\
&:= 9 + (((99 + 9)/9) \times (((9999 + 9)/9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13246 &:= 1 + (((1 + 1)^{11-1}) + (11 \times 1111)) \\
&:= ((22 + 2/2) \times ((22 + 2)^2)) - 2 \\
&:= ((3^3 - 3)^3) + (((3 - ((3 \times 3 + 3)^3))/3) - 3) \\
&:= 44 + ((44 \times (44 + 4^4)) + ((4 + 4)/4)) \\
&:= 5/5 + ((5 \times (5 \times (555 - 5 \times 5))) - 5) \\
&:= ((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) - ((6 + 6)/6)) \\
&:= ((7 + 7)/7) + (77 \times ((7 \times 7 \times 7 \times 7 + 7)/(7 + 7))) \\
&:= (8 \times ((8 \times (88 + 8)) + 888)) - ((8 + 8)/8) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9)) + 9)) - ((9/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13247 &:= 1 + (1 + (((1 + 1)^{11-1}) + (11 \times 1111))) \\
&:= 22 + (((222/2) + 2) + 2)^2 \\
&:= ((3^3 - 3)^3) - (((3 \times 3 + 3)^3) + 3)/3 \\
&:= (4^4 \times ((44 + 4) + 4)) - ((4^4 + 4)/4) \\
&:= ((55 + 5 + 5)/5) \times (((5 - 5/5)^5) - 5) \\
&:= ((6 - 6/6)^6) - ((6 \times (6 \times 66)) + ((6 + 6)/6)) \\
&:= (((77 + 7)/7) \times (7777/7 - 7)) - 7/7 \\
&:= (8 \times ((8 \times (88 + 8)) + 888)) - 8/8 \\
&:= (9 + 9) \times (((9 \times (9 \times 9)) - ((9 + 9)/9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13248 &:= (1 + 11 + 11) \times (((1 + 1) \times (1 + 11))^{1+1}) \\
&:= (22 + 2/2) \times ((22 + 2)^2) \\
&:= (3 + 3) \times ((3 \times ((3^3+3) + 3) + 3) + 3) \\
&:= (44 + 4) \times (((4 \times 4) + 4^4) + 4) \\
&:= (5 \times 5 \times 555) - ((5^5 + 5 + 5)/5) \\
&:= 6 \times (((6 \times ((6 \times (66 - 6)) + 6)) + 6) + 6) \\
&:= ((77 + 7)/7) \times (7777/7 - 7) \\
&:= 8 \times ((8 \times (88 + 8)) + 888) \\
&:= (9 + 9) \times (((9 \times (9 \times 9)) - ((9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13249 &:= 1 + ((1 + 11 + 11) \times (((1 + 1) \times (1 + 11))^{1+1})) \\
&:= 2 + (((222/2) + 2) + 2)^2 + 22 \\
&:= ((3^3 - 3)^3) + ((3 - ((3 \times 3 + 3)^3))/3) \\
&:= 4/4 + ((44 + 4) \times (((4 \times 4) + 4^4) + 4)) \\
&:= (5 \times 5 \times 555) - ((5^5 + 5)/5) \\
&:= ((6 - 6/6)^6) - (6 \times (6 \times 66)) \\
&:= 7/7 + (((77 + 7)/7) \times (7777/7 - 7)) \\
&:= 8/8 + (8 \times ((8 \times (88 + 8)) + 888)) \\
&:= 9/9 + ((9 + 9) \times (((9 \times (9 \times 9)) - ((9 + 9)/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13250 &:= (11 - 1) \times ((11^{1+1+1}) - ((1 + 1) \times (1 + 1 + 1))) \\
&:= 2 + ((22 + 2/2) \times ((22 + 2)^2)) \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3) - (3 + 3)) \\
&:= ((4 + 4)/4) + ((44 + 4) \times (((4 \times 4) + 4^4) + 4)) \\
&:= 5 \times (5 \times (555 - 5 \times 5)) \\
&:= 6/6 + (((6 - 6/6)^6) - (6 \times (6 \times 66))) \\
&:= (7/7 + (7 \times 7)) \times (7 \times 7 \times 7 - (7/7 + 77)) \\
&:= ((8 + 8)/8) \times (((88/8) - 8)^8) + (8 \times 8) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + (99/9)) + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13251 &:= ((1+11) \times 1111) - ((11-1-1)^{1+1}) \\
&:= 22^2 + (((222/2) + 2)^2) - 2 \\
&:= 3 + ((3+3) \times ((3 \times ((3^3+3) + 3) + 3)) + 3) \\
&:= 4 + ((4^4 \times ((44+4) + 4)) - ((4^4+4)/4)) \\
&:= 5/5 + (5 \times (5 \times (555-5 \times 5))) \\
&:= ((6+6)/6) + (((6-6/6)^6) - (6 \times (6 \times 66))) \\
&:= 7 + (77 \times ((7 \times 7 \times 7 \times 7)/7) + 7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times 88) - 8) + 8/8) \\
&:= 9 + (((9 \times (9 \times (9 \times (9+9)))) + (999/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13252 &:= 1 + (((1+11) \times 1111) - ((11-1-1)^{1+1})) \\
&:= 2 + (((22+2/2) \times ((22+2)^2) + 2) \\
&:= 3 + (((3 - ((3 \times 3 + 3)^3))/3) + ((3^3 - 3)^3)) \\
&:= 4 + ((44+4) \times (((4 \times 4) + 4^4) + 4)) \\
&:= ((5+5)/5) + (5 \times (5 \times (555-5 \times 5))) \\
&:= 6 + (((6 \times 6) + 6/6) \times ((6 \times (66-6)) - ((6+6)/6))) \\
&:= 7 + ((77 \times ((7 \times 7 \times 7 \times 7)/7) + 7) + 7/7) \\
&:= 8 + (((88+8)/8) \times ((8888/8) - 8) + 8) \\
&:= 9 + (((9 \times (9 \times (9 \times (9+9)))) + (999+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13253 &:= ((11+11)^{1+1}) + ((1+(1+111))^{1+1}) \\
&:= 22^2 + (((222/2) + 2)^2) \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) - (3+3))) \\
&:= 4 + (((44+4) \times (((4 \times 4) + 4^4) + 4)) + 4/4) \\
&:= 5 + ((5 \times 5 \times 555) - ((5^5 + 5 + 5)/5)) \\
&:= ((66-6) \times (6 \times 6 \times 6 + 6)) - (66+6/6) \\
&:= (((77+7)/7) \times (((7777+7)/7) - 7)) - 7 \\
&:= 8 \times 8 + ((88/8) \times ((8888/8) + 88)) \\
&:= 9 + (((999+99)/9) + (9 \times (9 \times (9 \times (9+9))))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13254 &:= 1 + (((11+11)^{1+1}) + ((1+(1+111))^{1+1})) \\
&:= (2+2+2) \times (((2 \times 22) + 2/2) + 2)^2 \\
&:= 33 + (3 \times (((3+3) \times (3^3+3)) + 33)) \\
&:= 4 + (((44+4) \times (((4 \times 4) + 4^4) + 4)) + ((4+4)/4)) \\
&:= 5 + ((5 \times 5 \times 555) - ((5^5 + 5)/5)) \\
&:= 6 \times (((66/6) + (6 \times 6))^{(6+6)/6}) \\
&:= (7-7/7) \times (((7 \times 7) - ((7+7)/7))^{(7+7)/7}) \\
&:= 8 + ((8 \times ((8 \times (88+8)) + 888)) - ((8+8)/8)) \\
&:= 9 \times 9 + (((9+9) \times ((9 \times (9 \times 9) + 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13255 &:= 11 \times ((11 \times 111) - ((1+1)^{1+1+1+1})) \\
&:= 2 + (((222/2) + 2)^2) + 22^2 \\
&:= 3 + (((3 - ((3 \times 3 + 3)^3))/3) + ((3^3 - 3)^3) + 3) \\
&:= 44 + ((44 \times (44+4^4)) + 44/4) \\
&:= 5 + (5 \times (5 \times (555-5 \times 5))) \\
&:= 6 + (((6-6/6)^6) - (6 \times (6 \times 66))) \\
&:= 7 + (((77+7)/7) \times (7777/7 - 7)) \\
&:= 8 + ((8 \times ((8 \times (88+8)) + 888)) - 8/8) \\
&:= ((9+9) \times ((9 \times (9 \times 9) + 9)) - (99/9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13256 &:= ((1+1)^{11-1}) + (11 \times (1+1111)) \\
&:= 2 + ((2+2+2) \times (((2 \times 22) + 2/2) + 2)^2) \\
&:= (33 \times 33) + ((3^3 - (3/3+3))^3) \\
&:= (((44+4) + 4) \times (4^4 - 4/4)) - 4 \\
&:= 5 + ((5 \times (5 \times (555-5 \times 5))) + 5/5) \\
&:= 6 + (((6-6/6)^6) - (6 \times (6 \times 66))) + 6/6) \\
&:= (7/7+7) \times (((7777/7) + (7 \times 77)) + 7) \\
&:= 8 + (8 \times ((8 \times (88+8)) + 888)) \\
&:= ((9+9) \times ((9 \times (9 \times 9) + 9)) - (((9/9+9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13257 &:= 1 + (((1+1)^{11-1}) + (11 \times (1+1111))) \\
&:= 2 + (((((222/2) + 2)^2) + 22^2) + 2) \\
&:= 3 \times (((3+3) \times ((3^3+3) + 3)) + 3^3) \\
&:= 4/4 + (((44+4) + 4) \times (4^4 - 4/4)) - 4 \\
&:= 5 + ((5 \times (5 \times (555-5 \times 5))) + ((5+5)/5)) \\
&:= 6 + (((6-6/6)^6) - (6 \times (6 \times 66))) + ((6+6)/6)) \\
&:= 7 + ((7/7 + (7 \times 7)) \times (7 \times 7 \times 7 - (7/7 + 77))) \\
&:= 8 + ((8 \times ((8 \times (88+8)) + 888)) + 8/8) \\
&:= ((9+9) \times ((9 \times (9 \times 9) + 9)) - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13258 &:= ((1+1)^{11}) + ((111^{1+1}) - 1111) \\
&:= ((22+2+2) \times ((2^{(2/2+2)^2}) - 2)) - 2 \\
&:= 3/3 + (3 \times (((3+3) \times ((3^3+3) + 3)) + 3^3)) \\
&:= (((44+4) + 4) \times (4^4 - 4/4)) - ((4+4)/4) \\
&:= ((5-5/5)^{(5+5)/5+5}) - (5^5 + 5/5) \\
&:= ((6+6)/6) \times (6666 - ((6 \times 6) + 6/6)) \\
&:= 7 \times 7 + (777 \times (((77-7)/7) + 7)) \\
&:= 8 + (((8+8)/8) \times (((88/8) - 8)^8) + (8 \times 8)) \\
&:= 9/9 + (((9+9) \times ((9 \times (9 \times 9) + 9)) - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13259 &:= ((1+1)^{11}) + (111 \times (1 + ((11-1)^{1+1}))) \\
&:= (22/2) + ((22+2/2) \times ((22+2)^2)) \\
&:= 3 + (((3^3 - (3/3+3))^3) + (33 \times 33)) \\
&:= (4 \times ((4+4)^4)) - ((4/4+4)^{4/4+4}) \\
&:= ((5-5/5)^{(5+5)/5+5}) - 5^5 \\
&:= ((6+6) \times (6666/6-6)) - 6/6 \\
&:= 7/7 + ((777 \times (((77-7)/7) + 7)) + (7 \times 7)) \\
&:= 88/8 + (8 \times ((8 \times (88+8)) + 888)) \\
&:= ((9+9)/9) + (((9+9) \times ((9 \times (9 \times 9) + 9)) - (9+9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13260 &:= (1+11) \times (1111 - ((1+1) \times (1+1+1))) \\
&:= (22+2+2) \times ((2^{(2/2+2)^2}) - 2) \\
&:= 3 + (3 \times (((3+3) \times ((3^3+3) + 3)) + 3^3)) \\
&:= ((44+4) + 4) \times (4^4 - 4/4) \\
&:= 5 + ((5 \times (5 \times (555-5 \times 5))) + 5) \\
&:= (6+6) \times (6666/6-6) \\
&:= ((77+7)/7) \times (((7777+7)/7) - 7) \\
&:= ((8-8/8) + 8) \times (888 - (8 \times 8/(8+8))) \\
&:= ((9-9/9) + 9) \times ((9 \times 99) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13261 &:= 1 + ((1 + 11) \times (1111 - ((1 + 1) \times (1 + 1 + 1)))) \\
&:= ((2 + 2 + 2)^2) + (((222/2) + 2) + 2)^2 \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) + 3)) + 3^3)) + 3/3 \\
&:= 4/4 + (((44 + 4) + 4) \times (4^4 - 4/4)) \\
&:= (55/5) + (5 \times (5 \times (555 - 5 \times 5))) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (6 \times 66))) + 6 \\
&:= 7 + ((7 - 7/7) \times (((7 \times 7) - ((7 + 7)/7))^{(7+7)/7})) \\
&:= 88 + (((8 + 8) \times (888 - (8 \times 8))) - 88/8) \\
&:= ((9 + 9) \times (9 \times (9 \times 9)) + 9) - (((99 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13262 &:= (11 \times (11 \times 111)) - ((1 + 1 + 11)^{1+1}) \\
&:= 2 + ((22 + 2 + 2) \times ((2^{(2/2+2)^2}) - 2)) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + (33 \times 33)) + 3 \\
&:= ((4 + 4)/4) + (((44 + 4) + 4) \times (4^4 - 4/4)) \\
&:= ((55 + 5)/5) + (5 \times (5 \times (555 - 5 \times 5))) \\
&:= ((6 + 6)/6) + ((6 + 6) \times (6666/6 - 6)) \\
&:= ((7 \times 7) - (77/7)) \times ((7 \times 7 \times 7 - 7/7) + 7) \\
&:= ((88/8) + 8) \times (((8 + 8)/8) - 8) + (8 \times 88) \\
&:= ((9 + 9)/9) \times (9 \times ((9 \times (9 \times 9)) + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13263 &:= 1 + ((11 \times (11 \times 111)) - ((1 + 1 + 11)^{1+1})) \\
&:= 2 + (((((222/2) + 2) + 2)^2) + ((2 + 2 + 2)^2)) \\
&:= 33 + (3 \times ((3 + 3) \times ((3^{3+3}) + 3)) + 3)) \\
&:= ((4^4 - 4)/4) + (44 \times (44 + 4^4)) \\
&:= 5 + (((5 - 5/5)^{(5+5)/5+5}) - (5^5 + 5/5)) \\
&:= (6 \times 6/(6 + 6)) + ((6 + 6) \times (6666/6 - 6)) \\
&:= (((7 + 7)/7)^7) \times ((777/7) - 7) - (7 \times 7) \\
&:= 8 + (((8 \times (8 \times (88 + 8)) + 888)) - 8/8) + 8 \\
&:= ((9 + 9) \times (9 \times (9 \times 9)) + 9) - (((99 + 99)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13264 &:= (1 + 1) \times (((1 + 1 + 1) \times ((1 + 1) \times 1111) - 11)) - 1 \\
&:= (2^{2+2}) + ((22 + 2/2) \times ((22 + 2)^2)) \\
&:= (3 - 3/3) \times (((3^{3 \times 3}) - 3) + ((3 + 3)^3)/3) \\
&:= 4 + (((44 + 4) + 4) \times (4^4 - 4/4)) \\
&:= 5 + (((5 - 5/5)^{(5+5)/5+5}) - 5^5) \\
&:= (((6 + 6)/6) \times (6666 - 6/6)) - 66 \\
&:= 7777 + ((7 \times (777 + 7)) - 7/7) \\
&:= 8 + ((8 \times (8 \times (88 + 8)) + 888)) + 8 \\
&:= ((9 + 9) \times (9 \times (9 \times 9)) + 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13265 &:= (11 \times ((11 \times (111 - 1)) - (1 + 1 + 1 + 1))) - 1 \\
&:= (2 \times (22 - 2)) + (((222/2) + 2) + 2)^2 \\
&:= (3 \times (3333 + (33 \times 33))) - 3/3 \\
&:= ((4^4 + 4)/4) + (44 \times (44 + 4^4)) \\
&:= (555 \times ((5 \times 5) - 5/5)) - 55 \\
&:= 6 + (((6 + 6) \times (6666/6 - 6)) - 6/6) \\
&:= 7777 + (7 \times (777 + 7)) \\
&:= (88 \times ((8 \times 8) + 88)) - (888/8) \\
&:= ((9 + 9) \times (9 \times (9 \times 9)) + 9) - ((9/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13266 &:= 11 \times ((11 \times (111 - 1)) - (1 + 1 + 1 + 1)) \\
&:= 22 \times (((22/2)^2) - 2) + 22^2 \\
&:= 3 \times (3333 + (33 \times 33)) \\
&:= ((4^4 + 4 + 4)/4) + (44 \times (44 + 4^4)) \\
&:= ((55/5)^{5-5/5}) - (5 \times (5 \times 55)) \\
&:= 6 + ((6 + 6) \times (6666/6 - 6)) \\
&:= 7/7 + ((7 \times (777 + 7)) + 7777) \\
&:= ((8 + 8)/8) \times (((88/8) - 8)^8) + (8 \times 8) + 8 \\
&:= (9 + 9) \times (((9 \times (9 \times 9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13267 &:= 1 + (11 \times ((11 \times (111 - 1)) - (1 + 1 + 1 + 1))) \\
&:= (2 \times 22) + (((((222/2) + 2) + 2)^2) - 2) \\
&:= 3/3 + (3 \times (3333 + (33 \times 33))) \\
&:= (4^4 \times ((44 + 4) + 4)) - (44 + 4/4) \\
&:= (((55 + 5)/5) \times ((5555/5) - 5)) - 5 \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (6 \times 66))) + 6 + 6 \\
&:= 7 + (((77 + 7)/7) \times (((7777 + 7)/7) - 7)) \\
&:= 8 + ((8 \times ((8 \times (88 + 8)) + 888)) + (88/8)) \\
&:= 9/9 + ((9 + 9) \times (((9 \times (9 \times 9)) - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13268 &:= ((1 + 1)^{11}) + ((11 - 1) \times (11 + 1111)) \\
&:= 2 + (22 \times (((22/2)^2) - 2) + 22^2) \\
&:= (3 - 3/3) \times (((3^{3 \times 3}) + ((3 + 3)^3)) + 3)/3 \\
&:= (4^4 \times ((44 + 4) + 4)) - 44 \\
&:= ((5 \times 5 \times 5) - 5/5) \times (((555 + 5)/5) - 5) \\
&:= ((6 + 6) \times (6666/6)) - (((6 + 6)/6)^6) \\
&:= (7 \times (7 \times 7 \times 7)) + (((7 + 7) \times 777) - (77/7)) \\
&:= (((88 + 8)/8) \times (8888/8)) - (8 \times 8) \\
&:= ((9 + 9)/9) + ((9 + 9) \times (((9 \times (9 \times 9)) - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13269 &:= 111 + (((1 + 1)^{11}) + (11111 - 1)) \\
&:= (2 \times 22) + (((222/2) + 2) + 2)^2 \\
&:= 3 + (3 \times (3333 + (33 \times 33))) \\
&:= 44 + (((444/4) + 4)^{(4+4)/4}) \\
&:= 5 + (((5 - 5/5)^{(5+5)/5+5}) - 5^5) + 5 \\
&:= (6 \times 6/(6 + 6)) \times (((66 \times 66) + 66) + 6/6) \\
&:= 7 + (((7 \times 7) - (77/7)) \times ((7 \times 7 \times 7 - 7/7) + 7)) \\
&:= (((88/8) + 8) \times ((8 \times 88) - 8/8)) - 88 \\
&:= 9 + (((9 - 9/9) + 9) \times (9 \times 99) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13270 &:= 111 + (((1 + 1)^{11}) + 11111) \\
&:= 22 + ((22 + 2/2) \times ((22 + 2)^2)) \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3) - (3/3 + 3)) \\
&:= ((4 + 4)/4) + ((4^4 \times ((44 + 4) + 4)) - 44) \\
&:= (5 \times ((5 \times (555 - 5 \times 5)) + 5)) - 5 \\
&:= 6 + (((6 + 6)/6) \times (6666 - 6/6)) - 66 \\
&:= 7 + (((7 + 7)/7)^7) \times ((777/7) - 7) - (7 \times 7) \\
&:= 8 + (((88/8) + 8) \times (((8 + 8)/8) - 8) + (8 \times 88)) \\
&:= ((9 + 9)/9) \times (((9 \times (9 \times 9)) + 9) - 9) + ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13271 &:= 1 + (111 + (((1 + 1)^{11}) + 11111)) \\
&:= (22 + 2/2) \times (((22 + 2)^2) + 2/2) \\
&:= (3^3 - (3/3 + 3)) \times (((3 \times 3 + 3)^3) + 3)/3 \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) - (44 + 4/4)) \\
&:= 5 + (((55/5)^{5-5/5}) - (5 \times (5 \times 55))) \\
&:= (66/6) + ((6 + 6) \times (6666/6 - 6)) \\
&:= 7 + (((7 \times (777 + 7)) - 7/7) + 7777) \\
&:= 88 + (((8 + 8) \times (888 - (8 \times 8))) - 8/8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13272 &:= (1 + 11) \times (1111 - (1 + 1 + 1 + 1 + 1)) \\
&:= 2 + (((22 + 2/2) \times ((22 + 2)^2)) + 22) \\
&:= (3 \times (((3 + 3) \times ((3^3+3) + 3)) + 33)) - 3 \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) - 44) \\
&:= ((55 + 5)/5) \times ((5555/5) - 5) \\
&:= (6 + 6) \times (((6666 + 6)/6) - 6) \\
&:= 7 + ((7 \times (777 + 7)) + 7777) \\
&:= 88 + ((8 + 8) \times (888 - (8 \times 8))) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13273 &:= (1 + 1 + 11) \times (((1 + 1)^{11-1}) - (1 + 1 + 1)) \\
&:= 2 + ((22 + 2/2) \times (((22 + 2)^2) + 2/2)) \\
&:= (3^3+3) + (((333 + 3)/3)^{3-3/3}) \\
&:= 4 + (((4^4 \times ((44 + 4) + 4)) - 44) + 4/4) \\
&:= (5 \times (5 \times 555 + 5)) - ((5^5 + 5 + 5)/5) \\
&:= 6/6 + ((6 + 6) \times (((6666 + 6)/6) - 6)) \\
&:= 7 + (((7 \times (777 + 7)) + 7777) + 7/7) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) - (888/8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13274 &:= 1 + ((1 + 1 + 11) \times (((1 + 1)^{11-1}) - (1 + 1 + 1))) \\
&:= ((22 + 2) \times ((22 + 2)^2 - 22)) - 22 \\
&:= (((3 \times 3) + 3/3) \times ((33/3)^3)) - (33 + 3) \\
&:= ((44/4)^4) - ((4444/4) + 4^4) \\
&:= (5 \times (5 \times 555 + 5)) - ((5^5 + 5)/5) \\
&:= 6 + (((6 + 6) \times (6666/6)) - ((6 + 6)/6)^6) \\
&:= 7 \times 7 + (((77 - (77/7)) + (7 \times 7))^{(7+7)/7}) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) + ((8 - 888)/8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13275 &:= (11 \times ((11 \times (111 - 1)) - (1 + 1 + 1))) - (1 + 1) \\
&:= 22 + (((222/2) + 2)^2) + 22^2 \\
&:= 3 \times (((3 + 3) \times ((3^3+3) + 3)) + 33) \\
&:= (44 + 4^4)/4 \times ((4 \times 44) + 4/4) \\
&:= 5 \times ((5 \times (555 - 5 \times 5)) + 5) \\
&:= ((666/6) - (6 \times 6)) \times (666/6 + 66) \\
&:= ((77/7 + 7) + 7) \times ((7 \times 77) - (7/7 + 7)) \\
&:= ((8 - 8/8) + 8) \times ((888 - 88/8) + 8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13276 &:= (11 \times ((11 \times (111 - 1)) - (1 + 1 + 1))) - 1 \\
&:= 2 \times (((2/2 + 2) \times (2222 - 2)) - 22) \\
&:= 3/3 + (3 \times (((3 + 3) \times ((3^3+3) + 3)) + 33)) \\
&:= 4 + (((4^4 \times ((44 + 4) + 4)) - 44) + 4) \\
&:= 5/5 + (5 \times ((5 \times (555 - 5 \times 5)) + 5)) \\
&:= (((6 + 6)/6)^6) + (6 \times ((6 \times (66 - 6)) + 6)) + 6)) \\
&:= 77 + (((7 - 7/7) \times (((7 + 7 + 7)/7)^7)) + 77) \\
&:= 8 + (((88 + 8)/8) \times (8888/8)) - (8 \times 8) \\
&:= 9/9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13277 &:= 11 \times ((11 \times (111 - 1)) - (1 + 1 + 1)) \\
&:= 2 + (((((222/2) + 2)^2) + 22^2) + 22) \\
&:= (((3 \times 3) + 3/3) \times ((33/3)^3)) - 33 \\
&:= 44 + (((44/4)^4) - (4 \times ((4 + 4) \times 44))) \\
&:= 5 + (((55 + 5)/5) \times ((5555/5) - 5)) \\
&:= ((66/6) + 6) \times ((66 \times (6 + 6)) - (66/6)) \\
&:= 77/7 \times (((7^7 - (7+7)/7) - 7)/(7 + 7)) + 7) \\
&:= (88/8) \times (((8888/8) + 88) + 8) \\
&:= ((9 + 9)/9) + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13278 &:= 1 + (11 \times ((11 \times (111 - 1)) - (1 + 1 + 1))) \\
&:= (2/2 + 2) \times ((2 \times (2222 + 2)) - 22) \\
&:= 3 + (3 \times (((3 + 3) \times ((3^3+3) + 3)) + 33)) \\
&:= 4 + (((44/4)^4) - ((4444/4) + 4^4)) \\
&:= 5 + ((5 \times (5 \times 555 + 5)) - ((5^5 + 5 + 5)/5)) \\
&:= 6 + ((6 + 6) \times (((6666 + 6)/6) - 6)) \\
&:= (7 \times (7 \times 7 \times 7)) + (((7 + 7) \times 777) - 7/7) \\
&:= ((8 - 88)/8) + (88 \times ((88 - 8/8) + (8 \times 8))) \\
&:= ((9 + 9 + 9)/9) + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13279 &:= ((11 - 1) \times ((11^{1+1+1}) - (1 + 1))) - 11 \\
&:= (222/2)^2 + ((2 \times (22^2 - (2 + 2))) - 2) \\
&:= ((3^3 - 3)^3) - (((3 - 3/3)^{3 \times 3}) + 33) \\
&:= 4 + ((44 + 4^4)/4) \times ((4 \times 44) + 4/4) \\
&:= 5 + ((5 \times (5 \times 555 + 5)) - ((5^5 + 5)/5)) \\
&:= ((6 - 6/6)^6) + ((6 \times (6 - (6 \times 66))) - 6) \\
&:= 7 \times ((7 + 7) \times (((7 + 7)/7)^7) + 7) + 7) \\
&:= (88 \times ((8 \times 8) + 88)) - ((8/8 + 88) + 8) \\
&:= ((9 - 99)/(9 + 9)) + ((9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13280 &:= (11 - 1) \times ((11^{1+1+1}) - (1 + 1 + 1)) \\
&:= (2 - 22) \times (2 - ((2/2 + 2) \times 222)) \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3) - 3) \\
&:= 4^4 + (44 \times ((4^4 - 4) + 44)) \\
&:= 5 + (5 \times ((5 \times (555 - 5 \times 5)) + 5)) \\
&:= 6/6 + (((6 \times (6 - (6 \times 66))) - 6) + ((6 - 6/6)^6)) \\
&:= 7/7 + (((7 + 7) \times 777) + (7 \times (7 \times 7 \times 7))) \\
&:= (88 \times ((8 \times 8) + 88)) - (88 + 8) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times 9)) + 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13281 &:= 1 + ((11 - 1) \times ((11^{1+1+1}) - (1 + 1 + 1))) \\
&:= (222/2)^2 + (2 \times (22^2 - (2 + 2))) \\
&:= (3 \times ((3 + 3) \times ((3^{3+3}) + 3 \times 3)) - 3 \\
&:= ((4 - 4/4)^4) + (44 \times (44 + 4^4)) \\
&:= 5 + ((5 \times ((5 \times (555 - 5 \times 5)) + 5)) + 5/5) \\
&:= (666/6) + ((6 \times (6 \times ((6 \times (66 - 6)) + 6))) - 6) \\
&:= ((7 + 7)/7) + (((7 + 7) \times 777) + (7 \times (7 \times 7 \times 7))) \\
&:= 8/8 + ((88 \times ((8 \times 8) + 88)) - (88 + 8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13282 &:= 1 + (1 + ((11 - 1) \times ((11^{1+1+1}) - (1 + 1 + 1)))) \\
&:= 2 + ((2 - 22) \times (2 - ((2/2 + 2) \times 222))) \\
&:= 3/3 + ((3 \times ((3 + 3) \times ((3^{3+3}) + 3 \times 3)) - 3) \\
&:= 4/4 + ((44 \times (44 + 4^4)) + ((4 - 4/4)^4)) \\
&:= (((5 + 5)/5)^5) + (5 \times (5 \times (555 - 5 \times 5))) \\
&:= ((6 + 6)/6) \times ((6666 - (6 \times 6)) + (66/6)) \\
&:= 7 + (((77/7 + 7) + 7) \times ((7 \times 77) - (7/7 + 7))) \\
&:= ((8 + 8)/8) \times (((((88/8) - 8)^8) - 8) + 88) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13283 &:= ((1 + 11) \times (1111 - (1 + 1 + 1 + 1))) - 1 \\
&:= (2 \times (22^2 - 2)) + (((222/2)^2) - 2) \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) - 3)) \\
&:= ((4 - 4/4) \times (4444 - 4 \times 4)) - 4/4 \\
&:= (555 \times ((5 \times 5) - 5/5)) - (((5 + 5)/5)^5) + 5 \\
&:= ((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) - 6/6) \\
&:= (((77 + 7)/7) \times (7777/7)) - (7 \times 7) \\
&:= 8 + (((8 - 8/8) + 8) \times ((888 - 88/8) + 8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13284 &:= (1 + 11) \times (1111 - (1 + 1 + 1 + 1)) \\
&:= 22^2 + (2 \times ((2 \times (22 - 2))^2)) \\
&:= 3 \times ((3 + 3) \times ((3^{3+3}) + 3 \times 3)) \\
&:= (4 - 4/4) \times (4444 - 4 \times 4) \\
&:= 5 \times 5 + (((5 - 5/5)^{(5+5)/5+5}) - 5^5) \\
&:= 6 \times (6 \times (((66 \times 66)/(6 + 6)) + 6)) \\
&:= ((77 + 7)/7) \times (((7777 - 77)/7) + 7) \\
&:= (((88/8) + 8) + 8) \times (((88 \times 88)/(8 + 8)) + 8) \\
&:= (9 + 9) \times ((9 \times (9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13285 &:= 1 + ((1 + 11) \times (1111 - (1 + 1 + 1 + 1))) \\
&:= (2 \times (22^2 - 2)) + ((222/2)^2) \\
&:= 3/3 + (3 \times ((3 + 3) \times ((3^{3+3}) + 3 \times 3)) \\
&:= (4/4 + 4) \times (((4 - 4/4) + 4)^4) + 4^4 \\
&:= 5 + ((5 \times ((5 \times (555 - 5 \times 5)) + 5)) + 5) \\
&:= ((6 - 6/6)^6) + (6 \times (6 - (6 \times 66))) \\
&:= 7 + (((7 + 7) \times 777) - 7/7) + (7 \times (7 \times 7 \times 7)) \\
&:= 8 + ((88/8) \times (((8888/8) + 88) + 8)) \\
&:= 9/9 + ((9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13286 &:= (1 + 1 + 11) \times (((1 + 1)^{11-1}) - (1 + 1)) \\
&:= ((22/2) + 2) \times ((2^{2 \times (2+2)+2}) - 2) \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) - 3)) + 3 \\
&:= (((4/4 + 4) + 4) + 4) \times ((4 \times 4^4) - ((4 + 4)/4)) \\
&:= (55/5) + (5 \times ((5 \times (555 - 5 \times 5)) + 5)) \\
&:= 6/6 + ((6 \times (6 - (6 \times 66))) + ((6 - 6/6)^6)) \\
&:= 7 + (((7 + 7) \times 777) + (7 \times (7 \times 7 \times 7))) \\
&:= (8/8 - (8 \times 8 \times 8)) \times (((8 - 88)/8) - (8 + 8)) \\
&:= ((9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13287 &:= (11 \times ((11 \times (111 - 1)) - (1 + 1))) - 1 \\
&:= (2 \times 22^2) + (((222/2)^2) - 2) \\
&:= 3 + (3 \times ((3 + 3) \times ((3^{3+3}) + 3 \times 3)) \\
&:= (4 - 4/4) \times ((4444 - 4 \times 4) + 4/4) \\
&:= (((5 - 5/5)^5) \times ((55 + 5 + 5)/5)) - (5 \times 5) \\
&:= (666/6) + (6 \times (6 \times ((6 \times (66 - 6)) + 6))) \\
&:= 7 + (((7 + 7) \times 777) + (7 \times (7 \times 7 \times 7))) + 7/7 \\
&:= ((888/8) - 8) \times (8 \times (8 + 8) + 8/8) \\
&:= ((9 + 9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13288 &:= 11 \times ((11 \times (111 - 1)) - (1 + 1)) \\
&:= 2 \times (22 \times (((2^{2+2}) + 2)^2) - 22) \\
&:= (3/3 + 3) \times (3333 - 33/3) \\
&:= 44 \times (((4 + 4)/4 + 4^4) + 44) \\
&:= ((55 + 55)/5) \times (((55 \times 55) - 5)/5) \\
&:= ((6 + 6)/6) \times (6666 - ((66 + 66)/6)) \\
&:= 77/7 \times (((7^{7-(7+7)/7}) + 7)/(7 + 7)) + 7 \\
&:= 88 \times ((88 - 8/8) + (8 \times 8)) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9)) + 9)) + ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13289 &:= 1 + (11 \times ((11 \times (111 - 1)) - (1 + 1))) \\
&:= (2 \times 22^2) + ((222/2)^2) \\
&:= 3 \times 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) - 3)) \\
&:= 4 + (((4/4 + 4) \times (((4 - 4/4) + 4)^4) + 4^4)) \\
&:= (((5 \times 5) - 5/5) \times (555 + 5/5)) - 55 \\
&:= 6 + (((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) - 6/6)) \\
&:= ((7 \times (7 + 7)) - 7/7) \times (((77/7) + 77) + (7 \times 7)) \\
&:= 8/8 + (88 \times ((88 - 8/8) + (8 \times 8))) \\
&:= ((9 \times 9 + 9)/(9 + 9)) + ((9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13290 &:= (11 - 1) \times ((11^{1+1+1}) - (1 + 1)) \\
&:= 2 + (2 \times (22 \times (((2^{2+2}) + 2)^2) - 22)) \\
&:= 3 + ((3 \times ((3 + 3) \times ((3^{3+3}) + 3 \times 3)) + 3) \\
&:= (444 - 4/4) \times ((4 \times (4 + 4)) - ((4 + 4)/4)) \\
&:= (5/5 + 5) \times (((5 - 5/5) \times 555) - 5) \\
&:= 6 + (6 \times (6 \times (((66 \times 66)/(6 + 6)) + 6))) \\
&:= 7 + (((77 + 7)/7) \times (7777/7)) - (7 \times 7) \\
&:= ((8 - 8/8) + 8) \times (888 - ((8 + 8)/8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13291 &:= 1 + ((11 - 1) \times ((11^{1+1+1}) - (1 + 1))) \\
&:= 2 + (((222/2)^2) + (2 \times 22^2)) \\
&:= 3 + ((3/3 + 3) \times (3333 - 33/3)) \\
&:= (4^4 \times ((44 + 4) + 4)) - (((4 \times 4) + 4/4) + 4) \\
&:= (((5 \times 5) - 5/5) \times (555 - 5/5)) - 5 \\
&:= 6 + ((6 \times (6 - (6 \times 66))) + ((6 - 6/6)^6)) \\
&:= (((7 + 7 + 7)/7)^7) + ((77777/7) - 7) \\
&:= 8/8 + (((8 - 8/8) + 8) \times (888 - ((8 + 8)/8))) \\
&:= 9 + (((9 + 9) \times (9 \times (9 \times 9)) + 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13292 &:= 1 + (1 + ((11 - 1) \times ((11^{1+1+1}) - (1 + 1)))) \\
&:= ((22 + 2/2) \times (((22 + 2)^2) + 2)) - 2 \\
&:= (3/3 + 3) \times (((3 - 33)/3) + 3333) \\
&:= (4^4 \times ((44 + 4) + 4)) - (4 \times 4 + 4) \\
&:= 5 + (((5 - 5/5)^5) \times ((55 + 5 + 5)/5)) - (5 \times 5) \\
&:= 6 + (((6 \times (6 - (6 \times 66))) + ((6 - 6/6)^6)) + 6/6) \\
&:= 77 + ((7777 - 7/7) + (7 \times 777)) \\
&:= (8 \times 8/(8 + 8)) + (88 \times ((88 - 8/8) + (8 \times 8))) \\
&:= 9 + (((9 + 9) \times (9 \times (9 \times 9)) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13293 &:= 1 + (1 + (1 + ((11 - 1) \times ((11^{1+1+1}) - (1 + 1)))))) \\
&:= (2 \times (22^2 + 2)) + ((222/2)^2) \\
&:= 3 \times (((3 + 3) \times ((3^{3+3}) + 3 \times 3)) + 3) \\
&:= ((4^4 - 4)/4) \times (4^4 - (44 + 4/4)) \\
&:= 5 + (((55 + 55)/5) \times (((55 \times 55) - 5)/5)) \\
&:= (((666/6) + 6)^{(6+6)/6}) - (6 \times 66) \\
&:= 77 + (7777 + (7 \times 777)) \\
&:= (8 \times ((8 + 8) \times (88 + 8 + 8))) - ((88/8) + 8) \\
&:= 9 + ((9 + 9) \times (9 \times (9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13294 &:= ((1 + 11) \times (1111 - (1 + 1 + 1))) - (1 + 1) \\
&:= (22 + 2/2) \times (((22 + 2)^2) + 2) \\
&:= 3/3 + (3 \times (((3 + 3) \times ((3^{3+3}) + 3 \times 3)) + 3)) \\
&:= (4^4 \times ((44 + 4) + 4)) - (((4 + 4)/4) + 4 \times 4) \\
&:= (5 \times ((5 \times 555) - 5)) - (555 + 5/5) \\
&:= ((6 \times 6) - ((6 + 6)/6)) \times (((6 \times 66) - 6) + 6/6) \\
&:= 7/7 + ((7777 + (7 \times 777)) + 77) \\
&:= 8 + ((8/8 - (8 \times 8 \times 8)) \times (((8 - 88)/8) - (8 + 8))) \\
&:= 9 + (((9 + 9) \times (9 \times (9 \times 9)) + 9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13295 &:= ((1 + 11) \times (1111 - (1 + 1 + 1))) - 1 \\
&:= 2 + ((2 \times (22^2 + 2)) + ((222/2)^2)) \\
&:= (33/3) + (3 \times ((3 + 3) \times ((3^{3+3}) + 3 \times 3))) \\
&:= (4^4 \times ((44 + 4) + 4)) - ((4 \times 4) + 4/4) \\
&:= (5 \times ((5 \times 555) - 5)) - 555 \\
&:= ((6 + 6) \times (6666/6)) - ((6 \times 6) + 6/6) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (7777/7) \\
&:= 8 + (((888/8) - 8) \times (8 \times (8 + 8) + 8/8)) \\
&:= (99/9) + ((9 + 9) \times (9 \times (9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13296 &:= (1 + 11) \times (1111 - (1 + 1 + 1)) \\
&:= (22 + 2) \times ((22 + 2)^2 - 22) \\
&:= (3/3 + 3) \times (3333 - 3 \times 3) \\
&:= (4^4 \times ((44 + 4) + 4)) - (4 \times 4) \\
&:= ((5 \times 5) - 5/5) \times (555 - 5/5) \\
&:= ((6 + 6) \times (6666/6)) - (6 \times 6) \\
&:= (7 - 7/7) \times (((7 \times 7) - ((7 + 7)/7))^{(7+7)/7}) + 7) \\
&:= 8 + (88 \times ((88 - 8/8) + (8 \times 8))) \\
&:= ((99 + 9)/9) + ((9 + 9) \times (9 \times (9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13297 &:= 1 + ((1 + 11) \times (1111 - (1 + 1 + 1))) \\
&:= 2/2 + ((22 + 2) \times ((22 + 2)^2 - 22)) \\
&:= 3/3 + ((3/3 + 3) \times (3333 - 3 \times 3)) \\
&:= 4/4 + ((4^4 \times ((44 + 4) + 4)) - 4 \times 4) \\
&:= 5/5 + (((5 \times 5) - 5/5) \times (555 - 5/5)) \\
&:= 6 + (((6 \times (6 - (6 \times 66))) + ((6 - 6/6)^6)) + 6) \\
&:= (((7 + 7)/7)^{7+7}) + (7 \times (7 \times ((7 - 77) + 7))) \\
&:= (((8 - 8/8) + 8) \times (888 - 8/8)) - 8 \\
&:= ((99 + 9 + 9)/9) + ((9 + 9) \times (9 \times (9 \times 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13298 &:= (111 - (1 + 1)) \times (1 + (11^{1+1})) \\
&:= 2 + ((22 + 2) \times ((22 + 2)^2 - 22)) \\
&:= (3 \times (3^{3+3})) + (33333/3) \\
&:= (4 \times 44) + (((4 + 4)/4) \times ((4 - 4/4)^{4+4})) \\
&:= ((5 + 5)/5) + (((5 \times 5) - 5/5) \times (555 - 5/5)) \\
&:= ((6 + 6)/6) \times (6666 - ((66/6) + 6)) \\
&:= (((7 + 7 + 7)/7)^7) + (77777/7) \\
&:= ((8 + 8)/8) \times (((88/8) - 8)^8) + 88 \\
&:= (9 \times (9 \times (9 + 9 + 9))) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13299 &:= 11 \times ((11 \times (111 - 1)) - 1) \\
&:= ((22/2) + 2) \times (((22^{2/2}) - 2)/2) \\
&:= ((3/3 + 3) \times 3333) - 33 \\
&:= (4 - 4/4) \times (4444 - 44/4) \\
&:= (55/5) \times (((55 \times (55 + 55)) - 5)/5) \\
&:= (66 \times 6/(6 + 6)) \times (((6 \times 66) + 6/6) + 6) \\
&:= 77/7 \times ((7777/7) + (7 \times (7 + 7))) \\
&:= 88/8 + (88 \times ((88 - 8/8) + (8 \times 8))) \\
&:= (99/9) \times (((9999 - 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13300 &:= (11 - 1) \times ((11^{1+1+1}) - 1) \\
&:= 2 + (((22 + 2) \times ((22 + 2)^2 - 22)) + 2) \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3) - 3/3) \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) - 4 \times 4) \\
&:= 5 \times (((5 \times (555 - 5 \times 5)) + 5) + 5) \\
&:= (666 - 6/6) \times (((6 + 6)/6 + 6) + 6) + 6) \\
&:= ((7 \times 77) - 7) \times ((77/7 + 7) + 7) \\
&:= ((88/8) + 8) \times ((8 \times 88) - (8 \times 8/(8 + 8))) \\
&:= 9 + (((9 + 9) \times (9 \times (9 \times 9)) + 9)) - ((9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13301 &:= 1 + ((11 - 1) \times ((11^{1+1+1}) - 1)) \\
&:= 2 + (((22/2) + 2) \times (((2^{22/2}) - 2)/2)) \\
&:= (((3 \times 3) + 3/3) \times ((33/3)^3)) - (3 \times 3) \\
&:= (4^4 \times ((44 + 4) + 4)) - (44/4) \\
&:= 5 + (((5 \times 5) - 5/5) \times (555 - 5/5)) \\
&:= 6 + (((6 + 6) \times (6666/6)) - ((6 \times 6) + 6/6)) \\
&:= 7/7 + (((7 \times 77) - 7) \times ((77/7 + 7) + 7)) \\
&:= (8 \times ((8 + 8) \times (88 + 8 + 8))) - (88/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13302 &:= 1 + (1 + ((11 - 1) \times ((11^{1+1+1}) - 1))) \\
&:= (2/2 + 2) \times ((2 \times (2222 - (2 + 2))) - 2) \\
&:= (3 + 3) \times (((3 \times (3^{3+3})) + 3^3) + 3) \\
&:= ((4 - 44)/4) + (4^4 \times ((44 + 4) + 4)) \\
&:= (5 \times (5^5 - 55)) - (((5 + 5)/5)^{55/5}) \\
&:= 6 + (((6 + 6) \times (6666/6)) - (6 \times 6)) \\
&:= 7 + ((7 \times (7 \times (7 \times (7 \times 7) - 7))) - (7777/7)) \\
&:= ((8 - 88)/8) + (8 \times ((8 + 8) \times (88 + 8 + 8))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13303 &:= 1 + (1 + (1 + ((11 - 1) \times ((11^{1+1+1}) - 1)))) \\
&:= 2 + (((((22/2) + 2) \times (((2^{22/2}) - 2)/2)) + 2) \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) - 3/3)) \\
&:= ((4^4 - 44)/4) \times (4^4 - (4/4 + 4)) \\
&:= (55 - ((5 + 5)/5)) \times ((5 \times 5 \times (5 + 5)) + 5/5) \\
&:= ((66 - 6) \times (6 \times 6 \times 6 + 6)) - ((66/6) + 6) \\
&:= (((777 - 7)/7) \times (((7 + 7)/7)^7 - 7)) - 7 \\
&:= (8 \times ((8 + 8) \times (88 + 8 + 8))) - (8/8 + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13304 &:= 1 + (1 + (1 + (1 + ((11 - 1) \times ((11^{1+1+1}) - 1)))))) \\
&:= 2 \times (2 \times (((22/2) + 2) \times (2^{2 \times (2+2)})) - 2)) \\
&:= (((3 \times 3) + 3/3) \times ((33/3)^3)) - (3 + 3) \\
&:= (4^4 \times ((44 + 4) + 4)) - (4 + 4) \\
&:= 55 + ((5 \times 5 \times 555) - ((5^5 + 5)/5)) \\
&:= (((6 + 6)/6) \times (6666 - (66/6))) - 6 \\
&:= 7 + ((7 \times (7 \times ((7 - 77) + 7))) + (((7 + 7)/7)^{7+7})) \\
&:= (8 \times ((8 + 8) \times (88 + 8 + 8))) - 8 \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13305 &:= ((1 + 11) \times (1111 - (1 + 1))) - (1 + 1 + 1) \\
&:= (2^{2+2}) + (((222/2)^2) + (2 \times 22^2)) \\
&:= ((3/3 + 3) \times 3333) - 3^3 \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) - 44/4) \\
&:= 55 + (5 \times (5 \times (555 - 5 \times 5))) \\
&:= 6 + ((66 \times 6/(6 + 6)) \times (((6 \times 66) + 6/6) + 6)) \\
&:= (((7 + 7)/7)^7) \times ((777/7) - 7) - 7 \\
&:= ((8 - 8/8) + 8) \times (888 - 8/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13306 &:= ((1 + 11) \times (1111 - (1 + 1))) - (1 + 1) \\
&:= ((2 + 2 + 2) \times (2222 - (2 + 2))) - 2 \\
&:= 3/3 + (((3/3 + 3) \times 3333) - 3^3) \\
&:= (4^4 \times ((44 + 4) + 4)) - (((4 + 4)/4) + 4) \\
&:= 5555 + (((5/5 + 5)^5) - (5 \times 5)) \\
&:= ((6 + 6)/6) \times (6666 - (6/6 + 6 + 6)) \\
&:= 7 + ((77/7) \times ((7777/7) + (7 \times (7 + 7)))) \\
&:= 8 + (((8 + 8)/8) \times (((88/8) - 8)^8 + 88)) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times 9)) + 9) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13307 &:= ((1 + 11) \times (1111 - (1 + 1))) - 1 \\
&:= ((2 + 2 + 2) \times (2222 - (2 + 2))) - 2/2 \\
&:= (((3 \times 3) + 3/3) \times ((33/3)^3)) - 3 \\
&:= (4^4 \times ((44 + 4) + 4)) - (4/4 + 4) \\
&:= (((5 - 5/5)^5) \times ((55 + 5 + 5)/5)) - 5 \\
&:= ((66 - 6) \times (6 \times 6 \times 6 + 6)) - (6/6 + 6 + 6) \\
&:= 7 + (((7 \times 77) - 7) \times ((77/7 + 7) + 7)) \\
&:= (((88/8) + 8) \times ((8 \times 88) + 8/8)) - 88 \\
&:= 9 + ((9999/9) + (9 \times (9 \times (9 + 9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13308 &:= (1 + 11) \times (1111 - (1 + 1)) \\
&:= (2 + 2 + 2) \times (2222 - (2 + 2)) \\
&:= (3/3 + 3) \times (3333 - (3 + 3)) \\
&:= (4^4 \times ((44 + 4) + 4)) - 4 \\
&:= ((55 + 5)/5) \times ((5555 - (5 + 5))/5) \\
&:= (6 + 6) \times ((6666 - (6 + 6))/6) \\
&:= ((77 + 7)/7) \times ((7777 - (7 + 7))/7) \\
&:= ((88 + 8)/8) \times ((8888 - (8 + 8))/8) \\
&:= ((99 + 9)/9) \times ((9999 - (9 + 9))/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13309 &:= (11 \times (11 \times (111 - 1))) - 1 \\
&:= 2/2 + ((2 + 2 + 2) \times (2222 - (2 + 2))) \\
&:= ((3^3 - 3)^3) - (((3 - 3/3)^{3 \times 3}) + 3) \\
&:= 4/4 + ((4^4 \times ((44 + 4) + 4)) - 4) \\
&:= (555 \times ((5 \times 5) - 5/5)) - (55/5) \\
&:= ((66 - 6) \times (6 \times 6 \times 6 + 6)) - (66/6) \\
&:= (((777 - 7)/7) \times (((7 + 7)/7)^7 - 7)) - 7/7 \\
&:= (888 \times ((8 - 8/8) + 8)) - (88/8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + (99/9))) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13310 &:= 11 \times (11 \times (111 - 1)) \\
&:= 22 \times (((22/2)^2) + 22^2) \\
&:= ((3 \times 3) + 3/3) \times ((33/3)^3) \\
&:= (4^4 \times ((44 + 4) + 4)) - ((4 + 4)/4) \\
&:= (5 + 5) \times (((55/5)^{5 - (5+5)/5}) \\
&:= ((6 + 6)/6) \times (6666 - (66/6)) \\
&:= ((777 - 7)/7) \times (((7 + 7)/7)^7 - 7) \\
&:= (8 \times ((8 + 8) \times (88 + 8 + 8))) - ((8 + 8)/8) \\
&:= (9/9 + 9) \times ((99/9)^{(9+9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13311 &:= 1 + (11 \times (11 \times (111 - 1))) \\
&:= 22 + (((222/2)^2) + (2 \times 22^2)) \\
&:= 3 + ((3/3 + 3) \times (3333 - (3 + 3))) \\
&:= (4^4 \times ((44 + 4) + 4)) - 4/4 \\
&:= 5 + (((5/5 + 5)^5) - (5 \times 5)) + 5555 \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - ((6 \times 6/(6 + 6))^6) \\
&:= (((77 - 7)/7) + 7) \times ((777 - 7/7) + 7) \\
&:= (8 \times ((8 + 8) \times (88 + 8 + 8))) - 8/8 \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13312 &:= (1 + 1 + 11) \times ((1 + 1)^{11-1}) \\
&:= 2 \times ((2^{2 \times (2+2)}) \times (22 + 2 + 2)) \\
&:= (3^3 - 3/3) \times ((3 - 3/3)^{3 \times 3}) \\
&:= 4^4 \times ((44 + 4) + 4) \\
&:= ((5 - 5/5)^5) \times ((55 + 5 + 5)/5) \\
&:= ((6 + 6)/6) \times (((6 - 66)/6) + 6666) \\
&:= (((7 + 7)/7)^7) \times ((777/7) - 7) \\
&:= 8 \times ((8 + 8) \times (88 + 8 + 8)) \\
&:= (((9 + 9)/9)^9) \times (((9 - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13313 &:= 1 + ((1 + 1 + 11) \times ((1 + 1)^{11-1})) \\
&:= 2/2 + (2 \times ((2^{2 \times (2+2)}) \times (22 + 2 + 2))) \\
&:= 3 + (((3 \times 3) + 3/3) \times ((33/3)^3)) \\
&:= 4/4 + (4^4 \times ((44 + 4) + 4)) \\
&:= 5/5 + (((5 - 5/5)^5) \times ((55 + 5 + 5)/5)) \\
&:= ((66 - 6) \times (6 \times 6 \times 6 + 6)) - (6/6 + 6) \\
&:= 7/7 + (((7 + 7)/7)^7) \times ((777/7) - 7) \\
&:= 8/8 + (8 \times ((8 + 8) \times (88 + 8 + 8))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13314 &:= 1 + (1 + ((1 + 1 + 11) \times ((1 + 1)^{11-1}))) \\
&:= 2 + (2 \times ((2^{2 \times (2+2)}) \times (22 + 2 + 2))) \\
&:= 3 \times (((3 + 3) \times (3^{3+3})) + ((3/3 + 3)^3)) \\
&:= ((4 + 4)/4) + (4^4 \times ((44 + 4) + 4)) \\
&:= (555 \times ((5 \times 5) - 5/5)) - (5/5 + 5) \\
&:= ((66 - 6) \times (6 \times 6 \times 6 + 6)) - 6 \\
&:= 7777 + (7 \times ((777 + 7) + 7)) \\
&:= ((8 + 8)/8) + (8 \times ((8 + 8) \times (88 + 8 + 8))) \\
&:= (999/9) + (9 \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13315 &:= 1 + (1 + (1 + ((1 + 1 + 11) \times ((1 + 1)^{11-1})))) \\
&:= 2 + ((2 \times ((2^{2 \times (2+2)}) \times (22 + 2 + 2))) + 2/2) \\
&:= 3 + ((3^3 - 3/3) \times ((3 - 3/3)^{3 \times 3})) \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) - 4/4) \\
&:= (555 \times ((5 \times 5) - 5/5)) - 5 \\
&:= 66 + (((6 - 6/6)^6) - (6 \times (6 \times 66))) \\
&:= 7 + (((77 + 7)/7) \times ((7777 - (7 + 7))/7)) \\
&:= 88/8 + ((8 \times ((8 + 8) \times (88 + 8 + 8))) - 8) \\
&:= ((999 + 9)/9) + (9 \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13316 &:= ((1 + 11) \times (1111 - 1)) - (1 + 1 + 1 + 1) \\
&:= 2 \times (((2^{2 \times (2+2)}) \times (22 + 2 + 2)) + 2) \\
&:= 3 + (((3 \times 3) + 3/3) \times ((33/3)^3) + 3) \\
&:= 4 + (4^4 \times ((44 + 4) + 4)) \\
&:= 5/5 + ((555 \times ((5 \times 5) - 5/5)) - 5) \\
&:= 6 + (((6 + 6)/6) \times (6666 - (66/6))) \\
&:= (((((7 + 7)/7)^7) + 7) \times ((7 \times (7 + 7)) + 7/7)) - (7 \times 7) \\
&:= (8 \times 8/(8 + 8)) + (8 \times ((8 + 8) \times (88 + 8 + 8))) \\
&:= ((9 + 9)/9) \times (((9 \times (9 \times 9)) - ((9 + 9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13317 &:= ((1 + 11) \times (1111 - 1)) - (1 + 1 + 1) \\
&:= (2/2 + 2) \times ((2 \times (2222 - 2)) - 2/2) \\
&:= ((3 + 3) \times ((3 \times (3^{3+3})) + 33)) - 3 \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) + 4/4) \\
&:= 5 + (((5 - 5/5)^5) \times ((55 + 5 + 5)/5)) \\
&:= ((66 - 6) \times (6 \times 6 \times 6 + 6)) - (6 \times 6/(6 + 6)) \\
&:= 7 + (((777 - 7)/7) \times (((7 + 7)/7)^7 - 7)) \\
&:= 8 + ((888 \times ((8 - 8/8) + 8)) - 88/8) \\
&:= 9 + (((99 + 9)/9) \times ((9999 - (9 + 9))/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13318 &:= ((1 + 11) \times (1111 - 1)) - (1 + 1) \\
&:= ((2 + 2 + 2) \times (2222 - 2)) - 2 \\
&:= 3 + (((3^3 - 3/3) \times ((3 - 3/3)^{3 \times 3})) + 3) \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) + ((4 + 4)/4)) \\
&:= (555 \times ((5 \times 5) - 5/5)) - ((5 + 5)/5) \\
&:= ((6 + 6)/6) \times (6666 - (6/6 + 6)) \\
&:= (((77 + 7)/7) \times (7777/7)) - (7 + 7) \\
&:= (888 \times ((8 - 8/8) + 8)) - ((8 + 8)/8) \\
&:= ((9 + 9)/9) \times (((9 \times (9 \times 9)) - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13319 &:= ((1 + 11) \times (1111 - 1)) - 1 \\
&:= ((2 + 2 + 2) \times (2222 - 2)) - 2/2 \\
&:= 3 \times 3 + (((3 \times 3) + 3/3) \times ((33/3)^3)) \\
&:= 4 + (((4^4 \times ((44 + 4) + 4)) - 4/4) + 4) \\
&:= (555 \times ((5 \times 5) - 5/5)) - 5/5 \\
&:= ((66 - 6) \times (6 \times 6 \times 6 + 6)) - 6/6 \\
&:= 7 + (((7 + 7)/7)^7) \times ((777/7) - 7) \\
&:= (888 \times ((8 - 8/8) + 8)) - 8/8 \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + (99/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13320 &:= (1 + 11) \times (1111 - 1) \\
&:= (2 + 2 + 2) \times (2222 - 2) \\
&:= (3 + 3) \times ((3 \times (3^{3+3})) + 33) \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) + 4) \\
&:= 555 \times ((5 \times 5) - 5/5) \\
&:= (66 - 6) \times (6 \times 6 \times 6 + 6) \\
&:= ((77 + 7)/7) \times ((7777 - 7)/7) \\
&:= 888 \times ((8 - 8/8) + 8) \\
&:= (9 + 9) \times ((9 \times (9 \times 9)) + (99/9))
\end{aligned}$$

- ▶ **13321** := $1 + ((1 + 11) \times (1111 - 1))$
:= $2/2 + ((2 + 2 + 2) \times (2222 - 2))$
:= $3/3 + ((3 + 3) \times ((3 \times (3^{3+3})) + 33))$
:= $4 + (((4^4 \times ((44 + 4) + 4)) + 4/4) + 4)$
:= $5/5 + (555 \times ((5 \times 5) - 5/5))$
:= $6/6 + ((66 - 6) \times (6 \times 6 \times 6 + 6))$
:= $77 \times (((7 \times (7 + 7)) - ((7 + 7)/7)) + 77)$
:= $8/8 + (888 \times ((8 - 8/8) + 8))$
:= $9 + (((9 + 9)/9)^9) \times (((9 - 9/9) + 9) + 9)$
- ▶ **13322** := $1 + (1 + ((1 + 11) \times (1111 - 1)))$
:= $2 + ((2 + 2 + 2) \times (2222 - 2))$
:= $3 + (((3 \times 3) + 3/3) \times ((33/3)^3)) + 3 \times 3$
:= $((44 - 4)/4) + (4^4 \times ((44 + 4) + 4))$
:= $((5 + 5)/5) + (555 \times ((5 \times 5) - 5/5))$
:= $((6 + 6)/6) + ((66 - 6) \times (6 \times 6 \times 6 + 6))$
:= $7/7 + ((7 \times ((7 + 7) \times (((7 + 7)/7)^7))) + 777)$
:= $((8 + 8)/8) + (888 \times ((8 - 8/8) + 8))$
:= $((9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) + (99/9)))$
- ▶ **13323** := $1 + (1 + (1 + ((1 + 11) \times (1111 - 1))))$
:= $2 + (((2 + 2 + 2) \times (2222 - 2)) + 2/2)$
:= $3 + ((3 + 3) \times ((3 \times (3^{3+3})) + 33))$
:= $(44/4) + (4^4 \times ((44 + 4) + 4))$
:= $5 + (555 \times ((5 \times 5) - 5/5)) - ((5 + 5)/5)$
:= $(6 \times 6/(6 + 6)) + ((66 - 6) \times (6 \times 6 \times 6 + 6))$
:= $(77/7) + (((7 + 7)/7)^7) \times ((777/7) - 7)$
:= $88/8 + (8 \times ((8 + 8) \times (88 + 8 + 8)))$
:= $((99 + 9)/9) \times 9999/9 - 9$
- ▶ **13324** := $((1 + 1 + 11) \times (1 + ((1 + 1)^{11-1})) - 1$
:= $2 + (((2 + 2 + 2) \times (2222 - 2)) + 2)$
:= $(3/3 + 3) \times ((3333 - 3) + 3/3)$
:= $4 + (((4^4 \times ((44 + 4) + 4)) + 4) + 4)$
:= $5 + (555 \times ((5 \times 5) - 5/5)) - 5/5$
:= $((6 + 6)/6) \times (6666 - 6/6) - 6$
:= $7 + (((777 - 7)/7) \times (((7 + 7)/7)^7 - 7)) + 7$
:= $((88 + 8)/8) \times (8888/8) - 8$
:= $9 + ((9 \times ((9 \times (9 \times 9)) + 9)) + (999 + 9)/9)$
- ▶ **13325** := $(1 + 1 + 11) \times (1 + ((1 + 1)^{11-1}))$
:= $((22/2) + 2) \times (((2^{22/2}) + 2)/2)$
:= $((3/3 + 3) \times (3333 - 3/3)) - 3$
:= $((4/4 + 4) + 4) \times ((4 \times 4^4) + 4/4)$
:= $5 + (555 \times ((5 \times 5) - 5/5))$
:= $6 + (((66 - 6) \times (6 \times 6 \times 6 + 6)) - 6/6)$
:= $((77 + 7)/7) \times (7777/7) - 7$
:= $((88 + 8 + 8)/8) \times ((8 \times (8 \times (8 + 8))) + 8/8)$
:= $((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (((9 \times (9 \times 9)) + 9)/(9 + 9))$
- ▶ **13326** := $1 + ((1 + 1 + 11) \times (1 + ((1 + 1)^{11-1})))$
:= $(2/2 + 2) \times ((2 \times 2222) - 2)$
:= $((3/3 + 3) \times 3333) - (3 + 3)$
:= $(4 - 4/4) \times (4444 - ((4 + 4)/4))$
:= $5555 + (((5/5 + 5)^5) - 5)$
:= $6 + ((66 - 6) \times (6 \times 6 \times 6 + 6))$
:= $7 + (((((7 + 7)/7)^7) \times ((777/7) - 7)) + 7)$
:= $8 + ((888 \times ((8 - 8/8) + 8)) - ((8 + 8)/8))$
:= $((9 + 9)/9) \times (((9 \times (9 \times 9)) - 9) + (999/9))$
- ▶ **13327** := $((1 + 111) \times ((11^{1+1}) - (1 + 1))) - 1$
:= $2 + (((22/2) + 2) \times (((2^{22/2}) + 2)/2))$
:= $3 + ((3/3 + 3) \times ((3333 - 3) + 3/3))$
:= $4 + ((4^4 \times ((44 + 4) + 4)) + 44/4)$
:= $((55 + 5)/5) \times (5555/5) - 5$
:= $6 + (((66 - 6) \times (6 \times 6 \times 6 + 6)) + 6/6)$
:= $7 + (((77 + 7)/7) \times ((7777 - 7)/7))$
:= $8 + ((888 \times ((8 - 8/8) + 8)) - 8/8)$
:= $9 + (((9 + 9)/9) \times (((9 \times (9 \times 9)) - 9/9) + 99))$
- ▶ **13328** := $(1 + 111) \times ((11^{1+1}) - (1 + 1))$
:= $2 \times (((2/2 + 2) \times 2222) - 2)$
:= $(3/3 + 3) \times (3333 - 3/3)$
:= $4 \times 4 + (4^4 \times ((44 + 4) + 4))$
:= $(55 + 5/5) \times (((5 - (5 + 5)/5)^5) - 5)$
:= $((6 + 6)/6) \times (6666 - ((6 + 6)/6))$
:= $7 \times ((7 \times ((7 \times 7 \times 7 - 77) + 7)) - 7)$
:= $8 + (888 \times ((8 - 8/8) + 8))$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9)) + (99/9))) - 9/9)$
- ▶ **13329** := $((1 + 11) \times 1111) - (1 + 1 + 1)$
:= $(2/2 + 2) \times ((2 \times 2222) - 2/2)$
:= $((3/3 + 3) \times 3333) - 3$
:= $(4 - 4/4) \times (4444 - 4/4)$
:= $5 + (((555 \times ((5 \times 5) - 5/5)) - 5/5) + 5)$
:= $((6 + 6) \times (6666/6)) - (6 \times 6/(6 + 6))$
:= $7/7 + (7 \times ((7 \times ((7 \times 7 \times 7 - 77) + 7)) - 7))$
:= $8 + ((888 \times ((8 - 8/8) + 8)) + 8/8)$
:= $9 + ((9 + 9) \times ((9 \times (9 \times 9)) + (99/9)))$
- ▶ **13330** := $((1 + 11) \times 1111) - (1 + 1)$
:= $((2 + 2 + 2) \times 2222) - 2$
:= $3/3 + (((3/3 + 3) \times 3333) - 3)$
:= $((4 - 4/4) \times 4444) - ((4 + 4)/4)$
:= $5 + (555 \times ((5 \times 5) - 5/5)) + 5$
:= $((6 + 6)/6) \times (6666 - 6/6)$
:= $((7 + 7)/7) + (7 \times ((7 \times ((7 \times 7 \times 7 - 77) + 7)) - 7))$
:= $8 + ((888 \times ((8 - 8/8) + 8)) + ((8 + 8)/8))$
:= $9 + (((9 + 9)/9)^9) \times (((9 - 9/9) + 9) + 9)$

- ▶ **13331** := $((1 + 11) \times 1111) - 1$
:= $((2 + 2 + 2) \times 2222) - 2/2$
:= $((3/3 + 3) \times 3333) - 3/3$
:= $((4 - 4/4) \times 4444) - 4/4$
:= $5555 + ((5/5 + 5)^5)$
:= $((6 + 6) \times (6666/6)) - 6/6$
:= $((77 + 7)/7) \times (7777/7) - 7/7$
:= $88/8 + (888 \times ((8 - 8/8) + 8))$
:= $(99/9) + ((9 + 9) \times ((9 \times (9 \times 9)) + (99/9)))$
- ▶ **13332** := $(1 + 11) \times 1111$
:= $(2 + 2 + 2) \times 2222$
:= $(3/3 + 3) \times 3333$
:= $(4 - 4/4) \times 4444$
:= $((55 + 5)/5) \times (5555/5)$
:= $(6 + 6) \times (6666/6)$
:= $((77 + 7)/7) \times (7777/7)$
:= $((88 + 8)/8) \times (8888/8)$
:= $((99 + 9)/9) \times 9999/9$
- ▶ **13333** := $1 + ((1 + 11) \times 1111)$
:= $2/2 + ((2 + 2 + 2) \times 2222)$
:= $3/3 + ((3/3 + 3) \times 3333)$
:= $4/4 + ((4 - 4/4) \times 4444)$
:= $5 + ((55 + 5/5) \times (((5 - (5 + 5)/5)^5) - 5))$
:= $6/6 + ((6 + 6) \times (6666/6))$
:= $7/7 + (((77 + 7)/7) \times (7777/7))$
:= $8/8 + (((88 + 8)/8) \times (8888/8))$
:= $9/9 + (((99 + 9)/9) \times 9999/9)$
- ▶ **13334** := $1 + (1 + ((1 + 11) \times 1111))$
:= $2 + ((2 + 2 + 2) \times 2222)$
:= $3 + (((3/3 + 3) \times 3333) - 3/3)$
:= $((4 + 4)/4) + ((4 - 4/4) \times 4444)$
:= $((5 \times 5) - 5/5) \times (555 + 5/5) - (5 + 5)$
:= $((6 + 6)/6) \times (6666 + 6/6)$
:= $((777/7) + 7) \times (((777 + 7) + 7)/7)$
:= $((8 - 8/8) + 8) \times (888 + 8/8) - 8/8$
:= $((9 + 9)/9) + (((99 + 9)/9) \times 9999/9)$
- ▶ **13335** := $1 + (1 + (1 + ((1 + 11) \times 1111)))$
:= $2 + (((2 + 2 + 2) \times 2222) + 2/2)$
:= $3 + ((3/3 + 3) \times 3333)$
:= $(4 - 4/4) \times (4444 + 4/4)$
:= $5 + (((555 \times ((5 \times 5) - 5/5)) + 5) + 5)$
:= $6/6 + (((6 + 6)/6) \times (6666 + 6/6))$
:= $7 + (7 \times ((7 \times ((7 \times 7 \times 7 - 77) + 7)) - 7))$
:= $((8 - 8/8) + 8) \times (888 + 8/8)$
:= $((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)) - (999/9)$
- ▶ **13336** := $1 + (1 + (1 + (1 + ((1 + 11) \times 1111))))$
:= $2 + (((2 + 2 + 2) \times 2222) + 2)$
:= $(3/3 + 3) \times (3333 + 3/3)$
:= $4 + ((4 - 4/4) \times 4444)$
:= $5 + (5555 + ((5/5 + 5)^5))$
:= $6 + (((6 + 6)/6) \times (6666 - 6/6))$
:= $7 + ((7 \times ((7 \times ((7 \times 7 \times 7 - 77) + 7)) - 7)) + 7/7)$
:= $8 + ((888 \times ((8 - 8/8) + 8)) + 8)$
:= $((9 + 9)/9) \times (((9 \times (9 \times (9 \times 9))) - 9/9) + 99) + 9$
- ▶ **13337** := $1 + (1 + (1 + (1 + (1 + ((1 + 11) \times 1111))))))$
:= $2 + (((2 + 2 + 2) \times 2222) + 2/2) + 2$
:= $3^3 + (((3 \times 3) + 3/3) \times ((33/3)^3))$
:= $4 + (((4 - 4/4) \times 4444) + 4/4)$
:= $5 + (((55 + 5)/5) \times (5555/5))$
:= $6 + (((6 + 6) \times (6666/6)) - 6/6)$
:= $((77 + 7)/7) \times ((7777 + 7)/7) - 7$
:= $8 + (((888 \times ((8 - 8/8) + 8)) + 8/8) + 8)$
:= $((9 + 9) \times (((99 + 9)/9) + (9 \times (9 \times 9)))) - 9/9$
- ▶ **13338** := $(1 + 1 + 11) \times (1 + (1 + ((1 + 1)^{11-1}))$
:= $(2/2 + 2) \times ((2 \times 2222) + 2)$
:= $3 + (((3/3 + 3) \times 3333) + 3)$
:= $(4 - 4/4) \times (4444 + ((4 + 4)/4))$
:= $((5 \times 5) + 5/5) \times ((5^5 - (555 + 5))/5)$
:= $6 + ((6 + 6) \times (6666/6))$
:= $(7/7 + 77) \times (((7 \times (7 \times 7 \times 7)) - 7)/(7 + 7))$
:= $((88/8) + 8) \times ((8 \times 88) - ((8 + 8)/8))$
:= $(9 + 9) \times (((99 + 9)/9) + (9 \times (9 \times 9)))$
- ▶ **13339** := $1 + ((1 + 1 + 11) \times (1 + (1 + ((1 + 1)^{11-1}))))$
:= $2/2 + ((2/2 + 2) \times ((2 \times 2222) + 2))$
:= $3 + ((3/3 + 3) \times (3333 + 3/3))$
:= $4 + ((4 - 4/4) \times (4444 + 4/4))$
:= $((5 \times 5) - 5/5) \times (555 + 5/5) - 5$
:= $6 + (((6 + 6) \times (6666/6)) + 6/6)$
:= $7 + (((77 + 7)/7) \times (7777/7))$
:= $8 + ((888 \times ((8 - 8/8) + 8)) + (88/8))$
:= $(9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (((9 + 9)/9)^9)$
- ▶ **13340** := $(11 - 1) \times (1 + (1 + (1 + (11^{1+1+1}))))$
:= $((22 + 2)^{2/2+2}) - 22^2$
:= $((3 \times 3) + 3/3) \times (((33/3)^3) + 3)$
:= $4 + (((4 - 4/4) \times 4444) + 4)$
:= $(55 \times ((5 - (5 + 5)/5)^5)) - (5 \times 5)$
:= $6 + (((6 + 6)/6) \times (6666 + 6/6))$
:= $7 + (((77 + 7)/7) \times (7777/7)) + 7/7$
:= $8 + (((88 + 8)/8) \times (8888/8))$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9)) + (99/9))) + (99/9))$

$$\begin{aligned}
\blacktriangleright 13341 &:= 11 + (((1 + 11) \times 1111) - (1 + 1)) \\
&:= 2/2 + (((22 + 2)^{2/2+2}) - 22^2) \\
&:= 3 \times 3 + ((3/3 + 3) \times 3333) \\
&:= (4 - 4/4) \times ((4444 - 4/4) + 4) \\
&:= 5 + ((5555 + ((5/5 + 5)^5)) + 5) \\
&:= 6 + (((6 + 6)/6) \times (6666 + 6/6)) + 6/6 \\
&:= 7 + (((777/7) + 7) \times (((777 + 7) + 7)/7)) \\
&:= (((88/8) + 8) \times ((8 \times 88) - 8/8)) - (8 + 8) \\
&:= 9 + (((99 + 9)/9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13346 &:= 1 + (1 + ((1 + 11) \times (1 + 1111))) \\
&:= 2 + ((2 + 2 + 2) \times (2222 + 2)) \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) + 3)) + 3 \\
&:= 4/4 + (((44/4)^4) - (((4 + 4)/4) + 4)^4) \\
&:= 5 + (((5555 + ((5/5 + 5)^5)) + 5) + 5) \\
&:= ((6 + 6)/6) \times ((6666 + 6/6) + 6) \\
&:= 7 + (((77 + 7)/7) \times (7777/7)) + 7 \\
&:= 8 + (((88/8) + 8) \times ((8 \times 88) - ((8 + 8)/8))) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13342 &:= 11 + (((1 + 11) \times 1111) - 1) \\
&:= ((2 + 2 + 2) \times (2222 + 2)) - 2 \\
&:= 3 + (((3/3 + 3) \times (3333 + 3/3)) + 3) \\
&:= 4 + ((4 - 4/4) \times (4444 + ((4 + 4)/4))) \\
&:= 5 + (((55 + 5)/5) \times (5555/5)) + 5 \\
&:= ((6 + 6)/6) \times ((6666 - 6/6) + 6) \\
&:= 7 + ((7 \times ((7 \times ((7 \times 7 \times 7 - 77) + 7)) - 7)) + 7) \\
&:= (((8 - 8/8) + 8) \times (888 + ((8 + 8)/8))) - 8 \\
&:= 9 + (((99 + 9)/9) \times 9999/9) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13347 &:= 1 + (1 + (1 + ((1 + 11) \times (1 + 1111)))) \\
&:= 2 + (((2 + 2 + 2) \times (2222 + 2)) + 2/2) \\
&:= 3 + ((3/3 + 3) \times (3333 + 3)) \\
&:= (4 - 4/4) \times ((4444 + 4/4) + 4) \\
&:= 5 + (((55 + 5)/5) \times (5555/5)) + 5 + 5 \\
&:= 6/6 + (((6 + 6)/6) \times ((6666 + 6/6) + 6)) \\
&:= (77 \times ((7 \times (7 + 7)) + 77)) - (((7 + 7)/7)^7) \\
&:= 8 + (((888 \times ((8 - 8/8) + 8)) + (88/8)) + 8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13343 &:= 11 + ((1 + 11) \times 1111) \\
&:= (22/2) + ((2 + 2 + 2) \times 2222) \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) + 3)) \\
&:= (44/4) + ((4 - 4/4) \times 4444) \\
&:= (((5 \times 5) - 5/5) \times (555 + 5/5)) - 5/5 \\
&:= (66/6) + ((6 + 6) \times (6666/6)) \\
&:= (77/7) + (((77 + 7)/7) \times (7777/7)) \\
&:= 8 + (((8 - 8/8) + 8) \times (888 + 8/8)) \\
&:= (99/9) + (((99 + 9)/9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13348 &:= 1 + (1 + (1 + (1 + ((1 + 11) \times (1 + 1111)))))) \\
&:= 2 + (((2 + 2 + 2) \times (2222 + 2)) + 2) \\
&:= (3/3 + 3) \times ((3333 + 3/3) + 3) \\
&:= 4 + ((4 - 4/4) \times (4444 + 4)) \\
&:= 5 + (((5 \times 5) - 5/5) \times (555 + 5/5)) - 5/5 \\
&:= 6 + (((6 + 6)/6) \times ((6666 - 6/6) + 6)) \\
&:= ((7/7 - 7) + 77) \times ((777/7) + 77) \\
&:= 8 + (((88 + 8)/8) \times (8888/8)) + 8 \\
&:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13344 &:= (1 + 11) \times (1 + 1111) \\
&:= (2 + 2 + 2) \times (2222 + 2) \\
&:= (3/3 + 3) \times (3333 + 3) \\
&:= (4 - 4/4) \times (4444 + 4) \\
&:= ((5 \times 5) - 5/5) \times (555 + 5/5) \\
&:= (6 + 6) \times ((6666 + 6)/6) \\
&:= ((77 + 7)/7) \times ((7777 + 7)/7) \\
&:= (88 + 8) \times (8 \times (8 + 8) + (88/8)) \\
&:= ((99 + 9)/9) \times ((9999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13349 &:= 1 + (1 + (1 + (1 + (1 + ((1 + 11) \times (1 + 1111)))))) \\
&:= 2 + (((2 + 2 + 2) \times (2222 + 2)) + 2/2) + 2 \\
&:= 3 \times 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) + 3)) \\
&:= 4 + (((44/4)^4) - (((4 + 4)/4) + 4)^4) \\
&:= 5 + (((5 \times 5) - 5/5) \times (555 + 5/5)) \\
&:= 6 + (((6 + 6) \times (6666/6)) + (66/6)) \\
&:= 7 \times (((7/7 + (7 \times 7)) \times ((7 \times 7) - (77/7))) + 7) \\
&:= (((88/8) + 8) \times ((8 \times 88) - 8/8)) - 8 \\
&:= ((9 + 9)/9) + (((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13345 &:= 1 + ((1 + 11) \times (1 + 1111)) \\
&:= 2/2 + ((2 + 2 + 2) \times (2222 + 2)) \\
&:= 3/3 + ((3/3 + 3) \times (3333 + 3)) \\
&:= (((44/4)^4) - (((4 + 4)/4) + 4)^4) \\
&:= 5 \times 5 + (555 \times ((5 \times 5) - 5/5)) \\
&:= 6/6 + ((6 + 6) \times ((6666 + 6)/6)) \\
&:= (((77 - 7)/7) + 7) \times (((777 + 7/7) + 7)) \\
&:= 8/8 + ((88 + 8) \times (8 \times (8 + 8) + (88/8))) \\
&:= 9/9 + (((99 + 9)/9) \times ((9999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13350 &:= (11 - 1) \times (1 + (1 + (1 + (1 + (11^{1+1+1})))))) \\
&:= (2/2 + 2) \times ((2 \times (2222 + 2)) + 2) \\
&:= 3 + (((3/3 + 3) \times (3333 + 3)) + 3) \\
&:= (4 - 4/4) \times ((4444 + ((4 + 4)/4)) + 4) \\
&:= 5 \times ((5 \times (555 - (5 + 5))) - 55) \\
&:= 6 + ((6 + 6) \times ((6666 + 6)/6)) \\
&:= (7/7 + (7 \times 7)) \times ((7 \times 7 \times 7 - 77) + 7/7) \\
&:= ((8 - 8/8) + 8) \times (888 + ((8 + 8)/8)) \\
&:= 9 + (((99 + 9)/9) \times 9999/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13351 &:= (1 + 1 + 11) \times (1 + (1 + (1 + ((1 + 1)^{11-1})))) \\
&:= ((22/2) + 2) \times (((2^{22/2}) + 2)/2) + 2 \\
&:= 3 + ((3/3 + 3) \times ((3333 + 3/3) + 3)) \\
&:= 4 + ((4 - 4/4) \times ((4444 + 4/4) + 4)) \\
&:= 5 \times 5 + (((5 + 5) \times 555) + ((5/5 + 5)^5)) \\
&:= 6 + (((6 + 6) \times ((6666 + 6)/6)) + 6/6) \\
&:= 7 + (((77 + 7)/7) \times ((7777 + 7)/7)) \\
&:= 8 + (((8 - 8/8) + 8) \times (888 + 8/8)) + 8 \\
&:= ((9 \times 9) - ((9 + 9)/9)) \times (((9 \times (9 + 9)) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13352 &:= ((1 + 1) \times (11 - 1)) + ((1 + 11) \times 1111) \\
&:= 22 + (((2 + 2 + 2) \times 2222) - 2) \\
&:= (3/3 + 3) \times (((3333 - 3/3) + 3) + 3) \\
&:= 44 + ((4^4 \times ((44 + 4) + 4)) - 4) \\
&:= (((5 + 5)/5)^5) + (555 \times ((5 \times 5) - 5/5)) \\
&:= 6 + (((6 + 6)/6) \times ((6666 + 6/6) + 6)) \\
&:= 7 + (((77 - 7)/7) + 7) \times ((777 + 7/7) + 7) \\
&:= (88 \times ((8 \times 8) + 88)) - (8 + 8 + 8) \\
&:= 9 + (((99 + 9)/9) \times 9999/9) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13353 &:= 11 + (11 + (((1 + 11) \times 1111) - 1)) \\
&:= 22 + (((2 + 2 + 2) \times 2222) - 2/2) \\
&:= 3 \times 3 + ((3/3 + 3) \times (3333 + 3)) \\
&:= 4 + (((44/4)^4) - (((4 + 4)/4) + 4)^4) + 4 \\
&:= (55 \times ((5 - (5 + 5)/5)^5)) - ((55 + 5)/5) \\
&:= (66 \times ((6 \times 6 \times 6) - (6 + 6))) - (666/6) \\
&:= 7 + (((77 + 7)/7) \times (7777/7) + 7) + 7 \\
&:= 8/8 + ((88 \times ((8 \times 8) + 88)) - (8 + 8 + 8)) \\
&:= 9 + (((99 + 9)/9) \times ((9999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13354 &:= 11 + (11 + ((1 + 11) \times 1111)) \\
&:= 22 + ((2 + 2 + 2) \times 2222) \\
&:= ((3/3 + 3)^{3+3}) + (((3 \times (3 + 3)) + 3)^3) - 3 \\
&:= 44 + ((4^4 \times ((44 + 4) + 4)) - ((4 + 4)/4)) \\
&:= (55 \times ((5 - (5 + 5)/5)^5)) - (55/5) \\
&:= ((6 + 6)/6) \times (6666 + (66/6)) \\
&:= 77/7 \times (((77/7) \times (777/7)) - 7) \\
&:= (88/8) \times ((8 \times (8 \times 8) + 88)) - ((8 + 8)/8) \\
&:= 9 \times 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13355 &:= 11 + ((1 + 11) \times (1 + 1111)) \\
&:= 22 + (((2 + 2 + 2) \times 2222) + 2/2) \\
&:= 3^3 + ((3/3 + 3) \times (3333 - 3/3)) \\
&:= 44 + ((4^4 \times ((44 + 4) + 4)) - 4/4) \\
&:= (55 \times ((5 - (5 + 5)/5)^5)) - (5 + 5) \\
&:= (6 \times ((6 \times (6 \times (66 - 6))) + 66)) - 6/6 \\
&:= 7 + (((7/7 - 7) + 77) \times ((777/7) + 77)) \\
&:= 88/8 + ((88 + 8) \times (8 \times (8 + 8) + (88/8))) \\
&:= 9 \times 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13356 &:= (1 + 11) \times (1 + 1 + 1111) \\
&:= (2 + 2 + 2) \times ((2222 + 2) + 2) \\
&:= 3 \times ((3^3 \times ((3 + 3) \times 3^3) + 3) - 3) \\
&:= 44 + (4^4 \times ((44 + 4) + 4)) \\
&:= 5 \times 5 + (5555 + ((5/5 + 5)^5)) \\
&:= 6 \times ((6 \times (6 \times (66 - 6))) + 66) \\
&:= (77 + 7) \times (((777 - 7)/7) + (7 \times 7)) \\
&:= ((88 + 8)/8) \times (((8888 + 8) + 8)/8) \\
&:= 9 \times ((9 \times (99 + 9)) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13357 &:= 1 + ((1 + 11) \times (1 + 1 + 1111)) \\
&:= 2/2 + ((2 + 2 + 2) \times ((2222 + 2) + 2)) \\
&:= ((3/3 + 3)^{3+3}) + (((3 \times (3 + 3)) + 3)^3) \\
&:= 44 + ((4^4 \times ((44 + 4) + 4)) + 4/4) \\
&:= 5 \times 5 + (((55 + 5)/5) \times (5555/5)) \\
&:= 6/6 + (6 \times ((6 \times (6 \times (66 - 6))) + 66)) \\
&:= 7 + ((7/7 + (7 \times 7)) \times ((7 \times 7 \times 7 - 77) + 7/7)) \\
&:= ((88/8) + 8) \times ((8 \times 88) - 8/8) \\
&:= ((9/9 + (9 \times 9)) \times ((9 \times (9 + 9)) + 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13358 &:= 1 + (1 + ((1 + 11) \times (1 + 1 + 1111))) \\
&:= 2 + ((2 + 2 + 2) \times ((2222 + 2) + 2)) \\
&:= 3^3 + (((3/3 + 3) \times 3333) - 3/3) \\
&:= 44 + ((4^4 \times ((44 + 4) + 4)) + ((4 + 4)/4)) \\
&:= (55 \times ((5 - (5 + 5)/5)^5)) - (((5 + 5)/5) + 5) \\
&:= ((6 + 6)/6) + (6 \times ((6 \times (6 \times (66 - 6))) + 66)) \\
&:= (((7 + 7)/7)^7) + 7 \times ((7 \times (7 + 7)) + 7/7) - 7 \\
&:= 8 + (((8 - 8/8) + 8) \times (888 + ((8 + 8)/8))) \\
&:= 9/9 + (((9/9 + (9 \times 9)) \times ((9 \times (9 + 9)) + 9/9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13359 &:= 1 + (1 + (1 + ((1 + 11) \times (1 + 1 + 1111)))) \\
&:= 2 + (((2 + 2 + 2) \times ((2222 + 2) + 2)) + 2/2) \\
&:= 3^3 + ((3/3 + 3) \times 3333) \\
&:= 4 + (((4^4 \times ((44 + 4) + 4)) - 4/4) + 44) \\
&:= (55 \times ((5 - (5 + 5)/5)^5)) - (5/5 + 5) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - (6 + 6))) - (666/6)) \\
&:= 7 \times 7 + (((777 - 7)/7) \times (((7 + 7)/7)^7) - 7) \\
&:= (88 \times ((8 \times 8) + 88)) - (8/8 + 8 + 8) \\
&:= 9 + (((99 + 9)/9) \times 9999/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13360 &:= 1 + (1 + (1 + (1 + ((1 + 11) \times (1 + 1 + 1111)))))) \\
&:= (22 - 2) \times (((2/2 + 2) \times 222) + 2) \\
&:= 3 + (((3/3 + 3)^{3+3}) + (((3 \times (3 + 3)) + 3)^3)) \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) + 44) \\
&:= (55 \times ((5 - (5 + 5)/5)^5)) - 5 \\
&:= 6 + (((6 + 6)/6) \times (6666 + (66/6))) \\
&:= 7 + (((77 + 7)/7) \times (7777/7) + 7) + 7 + 7 \\
&:= (88 \times ((8 \times 8) + 88)) - (8 + 8) \\
&:= (9 - 9/9) \times (((9 + 9) \times 99) - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13361 &:= 1 + (1 + (1 + (1 + (1 + ((1 + 11) \times (1 + 1 + 1111)))))) \\
&:= (((((22/2)^2) - 2)^2) - (2 \times ((22 - 2)^2)) \\
&:= 33 + ((3/3 + 3) \times (3333 - 3/3)) \\
&:= ((44/4)^4) - ((4 \times 4^4) + 4^4) \\
&:= 5/5 + ((55 \times ((5 - (5 + 5)/5)^5)) - 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) + 66)) - 6/6) \\
&:= 7 \times 7 + (((((7 + 7)/7)^7) \times ((777/7) - 7)) \\
&:= 8/8 + ((88 \times ((8 \times 8) + 88)) - (8 + 8)) \\
&:= (((99 + 99)/9) + 9) \times (((9 + 9)/9)^9) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13366 &:= 11 + (11 + ((1 + 11) \times (1 + 1111))) \\
&:= 22 + ((2 + 2 + 2) \times (2222 + 2)) \\
&:= 3/3 + (3 \times (3^3 \times (((3 + 3) \times 3^3) + 3))) \\
&:= ((4 + 4)/4) + (((44 + 4) + 4) \times (4/4 + 4^4)) \\
&:= 5/5 + (55 \times ((5 - (5 + 5)/5)^5)) \\
&:= 6 \times 6 + (((6 + 6)/6) \times (6666 - 6/6)) \\
&:= (7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) - (77/7) \\
&:= ((8 - 88)/8) + (88 \times ((8 \times 8) + 88)) \\
&:= (9/9 + (9 \times 9)) \times ((9 \times (9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13362 &:= ((11 - 1) \times (1 + 1 + 1)) + ((1 + 11) \times 1111) \\
&:= 2 + ((22 - 2) \times (((2/2 + 2) \times 222) + 2)) \\
&:= (3 \times (3^3 \times (((3 + 3) \times 3^3) + 3))) - 3 \\
&:= 4/4 + (((44/4)^4) - ((4 \times 4^4) + 4^4)) \\
&:= ((5 + 5)/5) + ((55 \times ((5 - (5 + 5)/5)^5)) - 5) \\
&:= 6 + (6 \times ((6 \times (6 \times (66 - 6))) + 66)) \\
&:= (7 - 7/7) \times (((7 \times 7) - 7/7)^{(7+7)/7}) - 77 \\
&:= ((8 + 8)/8) + ((88 \times ((8 \times 8) + 88)) - (8 + 8)) \\
&:= 9 + (((99 + 9)/9) \times ((9999 + 9)/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13367 &:= 11 + ((1 + 11) \times (1 + 1 + 1111)) \\
&:= 2 + ((2/2 + 2) \times ((2 \times 2222) + (22/2))) \\
&:= 3 + ((3 \times (3^3 \times (((3 + 3) \times 3^3) + 3))) - 3/3) \\
&:= 4 + (((44 + 4) + 4) \times (4/4 + 4^4)) - 4/4 \\
&:= ((5 + 5)/5) + (55 \times ((5 - (5 + 5)/5)^5)) \\
&:= 6 \times 6 + (((6 + 6) \times (6666/6)) - 6/6) \\
&:= ((7 - 77)/7) + (7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) \\
&:= (88 \times ((8 \times 8) + 88)) - (8/8 + 8) \\
&:= 9/9 + ((9/9 + (9 \times 9)) \times ((9 \times (9 + 9)) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13363 &:= 1 + (((11 - 1) \times (1 + 1 + 1)) + ((1 + 11) \times 1111)) \\
&:= 2 + (((((22/2)^2) - 2)^2) - (2 \times ((22 - 2)^2))) \\
&:= 3^3 + ((3/3 + 3) \times (3333 + 3/3)) \\
&:= (((44 + 4) + 4) \times (4/4 + 4^4)) - 4/4 \\
&:= (55 \times ((5 - (5 + 5)/5)^5)) - ((5 + 5)/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) + 66)) + 6/6) \\
&:= ((77 - 7/7) + 7) \times ((77 + 77) + 7) \\
&:= (88 \times ((8 \times 8) + 88)) - ((88 + 8 + 8)/8) \\
&:= (((9 + 9)/9) + (9 \times 9)) \times ((9 \times (9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13368 &:= (1 + 11) \times (1 + (1 + 1 + 1111)) \\
&:= (2 + 2 + 2) \times (((2222 + 2) + 2) + 2) \\
&:= 3 + (3 \times (3^3 \times (((3 + 3) \times 3^3) + 3))) \\
&:= 4 + (((44 + 4) + 4) \times (4/4 + 4^4)) \\
&:= ((5 \times 5) - 5/5) \times (555 + ((5 + 5)/5)) \\
&:= 6 \times 6 + ((6 + 6) \times (6666/6)) \\
&:= 7 + (((((7 + 7)/7)^7) \times ((777/7) - 7)) + (7 \times 7)) \\
&:= (88 \times ((8 \times 8) + 88)) - 8 \\
&:= (9 - 9/9) \times (((9 + 9) \times 99) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13364 &:= (1 + 1 + 11) \times (1 + (1 + (1 + (1 + (1 + 1)^{11-1})))) \\
&:= (22 + 2 + 2) \times ((2^{(2/2+2)^2}) + 2) \\
&:= (3 \times (3^3 \times (((3 + 3) \times 3^3) + 3))) - 3/3 \\
&:= ((44 + 4) + 4) \times (4/4 + 4^4) \\
&:= (55 \times ((5 - (5 + 5)/5)^5)) - 5/5 \\
&:= 6 + ((6 \times ((6 \times (6 \times (66 - 6))) + 66)) + ((6 + 6)/6)) \\
&:= ((7 - 7/7) + 7) \times ((7 \times (7 \times (7 + 7 + 7))) - 7/7) \\
&:= (88 \times ((8 \times 8) + 88)) - ((88 + 8)/8) \\
&:= 9 \times 9 + (((9 + 9) \times (9 \times (9 \times 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13369 &:= 1 + ((1 + 11) \times (1 + (1 + 1 + 1111))) \\
&:= 2/2 + ((2 + 2 + 2) \times (((2222 + 2) + 2) + 2)) \\
&:= 3 + ((3 \times (3^3 \times (((3 + 3) \times 3^3) + 3))) + 3/3) \\
&:= 4 + (((44/4)^4) - ((4 \times 4^4) + 4^4)) + 4 \\
&:= 5 + ((55 \times ((5 - (5 + 5)/5)^5)) - 5/5) \\
&:= 6 \times 6 + (((6 + 6) \times (6666/6)) + 6/6) \\
&:= (7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) - (7/7 + 7) \\
&:= 8/8 + ((88 \times ((8 \times 8) + 88)) - 8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + (((9 + 9)/9)^{9-9/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13365 &:= 11 \times ((11 \times 111) - ((1 + 1) \times (1 + 1 + 1))) \\
&:= (2/2 + 2) \times ((2 \times 2222) + (22/2)) \\
&:= 3 \times (3^3 \times (((3 + 3) \times 3^3) + 3)) \\
&:= 4 + (((44/4)^4) - ((4 \times 4^4) + 4^4)) \\
&:= 55 \times ((5 - (5 + 5)/5)^5) \\
&:= (66/6) \times (((66/6) \times (666/6)) - 6) \\
&:= (((((7 + 7)/7)^7) + 7) \times ((7 \times (7 + 7)) + 7/7)) \\
&:= (88 \times ((8 \times 8) + 88)) - (88/8) \\
&:= 9 \times (((9 \times (9 \times (9 + 9))) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13370 &:= 1 + (1 + ((1 + 11) \times (1 + (1 + 1 + 1111)))) \\
&:= 2 + ((2 + 2 + 2) \times (((2222 + 2) + 2) + 2)) \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3) + 3) + 3 \\
&:= 4^4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) - 4)) \\
&:= 5 + (55 \times ((5 - (5 + 5)/5)^5)) \\
&:= 6 \times 6 + (((6 + 6)/6) \times (6666 + 6/6)) \\
&:= (7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) - 7 \\
&:= ((8 + 8)/8) + ((88 \times ((8 \times 8) + 88)) - 8) \\
&:= ((9 \times 9 + 9)/(9 + 9)) \times ((99 \times (9 + 9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13371 &:= 1 + (1 + (1 + ((1 + 11) \times (1 + (1 + 1 + 1111)))))) \\
&:= (2/2 + 2) \times (((2 \times 2222) + (22/2)) + 2) \\
&:= 3 + ((3 \times (3^3 \times (((3 + 3) \times 3^3) + 3))) + 3) \\
&:= (44 \times (44 + 4^4) + 4) - (4/4 + 4) \\
&:= 5 + ((55 \times ((5 - (5 + 5)/5)^5)) + 5/5) \\
&:= 6 + ((66/6) \times (((66/6) \times (666/6)) - 6)) \\
&:= 7/7 + ((7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) - 7) \\
&:= 88/8 + ((88 \times ((8 \times 8) + 88)) - (8 + 8)) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13372 &:= 1 + (1 + (1 + (1 + ((1 + 11) \times (1 + (1 + 1 + 1111)))))) \\
&:= 2 \times (((2/2 + 2) \times 2222) - 2) + 22 \\
&:= (3/3 + 3) \times ((3333 + 3 \times 3) + 3/3) \\
&:= (44 \times (44 + 4^4) + 4) - 4 \\
&:= 5 + ((55 \times ((5 - (5 + 5)/5)^5)) + ((5 + 5)/5)) \\
&:= 6 + (((6 + 6)/6) \times (6666 - 6/6)) + (6 \times 6) \\
&:= 7 + (((((7 + 7)/7)^7) + 7) \times ((7 \times (7 + 7)) + 7/7)) \\
&:= (88 \times ((8 \times 8) + 88)) - (8 \times 8/(8 + 8)) \\
&:= 9 + (((9 + 9)/9) + (9 \times 9)) \times ((9 \times (9 + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13373 &:= (111 \times (1 + (11^{1+1}))) - ((1 + 1 + 11)^{1+1}) \\
&:= (222/2)^2 + (2 \times ((22 \times (22 + 2)) - 2)) \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) + 3) + 3) \\
&:= 4/4 + ((44 \times (44 + 4^4) + 4) - 4) \\
&:= 5 + (((5 \times 5) - 5/5) \times (555 + ((5 + 5)/5))) \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - (666 + 6/6) \\
&:= 7 + ((7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) - (77/7)) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) - 88/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9/9) + (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13374 &:= (1 + 1) \times (((1 + 1) \times (11 + ((1 + 1 + 1) \times 1111))) - 1) \\
&:= (2 \times 22) + (((2 + 2 + 2) \times 2222) - 2) \\
&:= 3 \times ((3^3 \times (((3 + 3) \times 3^3) + 3)) + 3) \\
&:= (44 \times (44 + 4^4) + 4) - ((4 + 4)/4) \\
&:= (5 \times (55 \times (55 + 5))) - (5^5 + 5/5) \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - 666 \\
&:= (7 - 7/7) \times (((((7 + 7 + 7)/7)^7) - 7) + (7 \times 7)) \\
&:= (88 \times ((8 \times 8) + 88)) - ((8 + 8)/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13375 &:= (11 \times (11 \times 111)) - ((1 + 111)/(1 + 1)) \\
&:= (2 \times 22) + (((2 + 2 + 2) \times 2222) - 2/2) \\
&:= 3/3 + (3 \times ((3^3 \times (((3 + 3) \times 3^3) + 3)) + 3)) \\
&:= (44 \times (44 + 4^4) + 4) - 4/4 \\
&:= 5 \times (5 \times ((555 - 5 \times 5) + 5)) \\
&:= 6/6 + ((6 \times (6 \times ((6 \times 66) - 6))) - 666) \\
&:= (7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) - ((7 + 7)/7) \\
&:= (88 \times ((8 \times 8) + 88)) - 8/8 \\
&:= 9 + ((9/9 + (9 \times 9)) \times ((9 \times (9 + 9)) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13376 &:= 11 \times ((11 \times 111) - (1 + 1 + 1 + 1 + 1)) \\
&:= 2 \times (((2/2 + 2) \times 2222) + 22) \\
&:= (3/3 + 3) \times (3333 + (33/3)) \\
&:= 44 \times (44 + 4^4) + 4 \\
&:= 5/5 + (5 \times (5 \times ((555 - 5 \times 5) + 5))) \\
&:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - (6/6 + 6)) \\
&:= (7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) - 7/7 \\
&:= 88 \times ((8 \times 8) + 88) \\
&:= 9 \times 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13377 &:= 1 + (11 \times ((11 \times 111) - (1 + 1 + 1 + 1 + 1))) \\
&:= (222/2)^2 + (2 \times (22 \times (22 + 2))) \\
&:= ((33 + 3) + 3) \times ((3/3 + 3 + 3)^3) \\
&:= 4/4 + (44 \times (44 + 4^4) + 4) \\
&:= ((55 + 5 + 5)/5) \times ((5 - 5/5)^5 + 5) \\
&:= 6/6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - (6/6 + 6)) \\
&:= 7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7)) \\
&:= 8/8 + (88 \times ((8 \times 8) + 88)) \\
&:= 9 + ((9 - 9/9) \times (((9 + 9) \times 99) - (999/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13378 &:= 11 + (11 + ((1 + 11) \times (1 + 1 + 1111))) \\
&:= 2 + (((2 + 2 + 2) \times 2222) + 2 \times 22) \\
&:= 3/3 + (((33 + 3) + 3) \times ((3/3 + 3 + 3)^3)) \\
&:= 4^4 + (((4 + 4)/4) \times ((4 - 4/4)^{4+4})) \\
&:= 5 + (((5 \times 5) - 5/5) \times (555 + ((5 + 5)/5))) + 5 \\
&:= 6 \times 6 + (((6 + 6)/6) \times ((6666 - 6/6) + 6)) \\
&:= 7/7 + (7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) \\
&:= ((8 + 8)/8) + (88 \times ((8 \times 8) + 88)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13379 &:= 11 + ((1 + 11) \times (1 + (1 + 1 + 1111))) \\
&:= (222/2)^2 + (2 \times ((22 + 2/2)^2)) \\
&:= 3 + ((3/3 + 3) \times (3333 + (33/3))) \\
&:= 4 + ((44 \times (44 + 4^4) + 4) - 4/4) \\
&:= 5 + ((5 \times (55 \times (55 + 5))) - (5^5 + 5/5)) \\
&:= ((66/6) + 6) \times (((66 \times (6 + 6)) - 6) + 6/6) \\
&:= ((7 + 7)/7) + (7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) \\
&:= 88/8 + ((88 \times ((8 \times 8) + 88)) - 8) \\
&:= (99999/9) + (9 \times ((9 \times (9 + 9 + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13380 &:= (1 + 11) \times (1 + (1 + (1 + 1 + 1111))) \\
&:= (2 + 2 + 2) \times (2222 + (2 \times (2 + 2))) \\
&:= 3 + (((33 + 3) + 3) \times ((3/3 + 3 + 3)^3)) \\
&:= 4 + (44 \times (44 + 4^4) + 4) \\
&:= 5 + (5 \times (5 \times ((555 - 5 \times 5) + 5))) \\
&:= (66 - 6) \times (((6 \times 6 \times 6) + 6/6) + 6) \\
&:= ((7 + 7 + 7)/7) + (7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) \\
&:= (8 \times 8/(8 + 8)) + (88 \times ((8 \times 8) + 88)) \\
&:= ((9 \times 99) + 9/9) \times ((9 - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13381 &:= 1 + ((1 + 11) \times (1 + (1 + (1 + 1 + 1111)))) \\
&:= 2 + ((2 \times ((22 + 2/2)^2)) + ((222/2)^2)) \\
&:= 3 + (((33 + 3) + 3) \times ((3/3 + 3 + 3)^3)) + 3/3 \\
&:= 4 + ((44 \times (44 + 4^4) + 4) + 4/4) \\
&:= 5 + ((5 \times (5 \times ((555 - 5 \times 5) + 5))) + 5/5) \\
&:= 6/6 + ((66 - 6) \times (((6 \times 6 \times 6) + 6/6) + 6)) \\
&:= 7 \times 7 + (((77 + 7)/7) \times (7777/7)) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) - 88/8) + 8) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13382 &:= 1 + (1 + ((1 + 11) \times (1 + (1 + (1 + 1 + 1111)))))) \\
&:= 2 + ((2 + 2 + 2) \times (2222 + (2 \times (2 + 2)))) \\
&:= 3 + (((3/3 + 3) \times (3333 + (33/3))) + 3) \\
&:= 4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4^4)) \\
&:= 5 + (((55 + 5 + 5)/5) \times ((5 - 5/5)^5 + 5)) \\
&:= 6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - (6/6 + 6)) \\
&:= ((777/7) \times (((7 + 7)/7)^7) - 7) - (7 \times 7) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) - ((8 + 8)/8)) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13383 &:= (((1 + 1 + 11) \times (11 + ((1 + 1)^{11}))) - 1)/(1 + 1) \\
&:= ((22 + 2)^{2/2+2}) - ((22 - 2/2)^2) \\
&:= 3 \times (((3^3 \times ((3 + 3) \times 3^3) + 3)) + 3) + 3 \\
&:= 4 + (((44 \times (44 + 4^4) + 4) - 4/4) + 4) \\
&:= 55 + ((55 + 5/5) \times (((5 - (5 + 5)/5)^5) - 5)) \\
&:= (6 \times 66) + ((666/6) \times ((666/6) + 6)) \\
&:= 7 + ((7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) - 7/7) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) - 8/8) \\
&:= 99 + ((9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13384 &:= (1 + ((1 + 1 + 11) \times (11 + ((1 + 1)^{11}))))/(1 + 1) \\
&:= 2 \times ((2^{2+2} - 2) \times (22^2 - (2 + 2 + 2))) \\
&:= 3^3 + (((3/3 + 3)^{3+3}) + (((3 \times (3 + 3)) + 3)^3)) \\
&:= 4 + ((44 \times (44 + 4^4) + 4) + 4) \\
&:= (55 + 5/5) \times ((5 \times 5 \times (5 + 5)) - (55/5)) \\
&:= (((6 + 6)/6)^6) + ((66 - 6) \times (6 \times 6 \times 6 + 6)) \\
&:= 7 + (7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) \\
&:= 8 + (88 \times ((8 \times 8) + 88)) \\
&:= 9/9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13385 &:= (11 \times ((11 \times 111) - (1 + 1 + 1 + 1))) - (1 + 1) \\
&:= ((2 \times 22)^2) + ((222/2 - 2 - 2)^2) \\
&:= 3 \times 3 + ((3/3 + 3) \times (3333 + (33/3))) \\
&:= 4 + (((44 \times (44 + 4^4) + 4) + 4/4) + 4) \\
&:= 5 + ((5 \times (5 \times ((555 - 5 \times 5) + 5))) + 5) \\
&:= 66 + (((66 - 6) \times (6 \times 6 \times 6 + 6)) - 6/6) \\
&:= 7 + ((7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) + 7/7) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) + 8/8) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13386 &:= (11 \times ((11 \times 111) - (1 + 1 + 1 + 1))) - 1 \\
&:= (2/2 + 2) \times ((2 \times (2222 - 2)) + 22) \\
&:= 3 + (3 \times (((3^3 \times ((3 + 3) \times 3^3) + 3)) + 3) + 3) \\
&:= 4^4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4)) \\
&:= 55 + (5555 + ((5/5 + 5)^5)) \\
&:= 66 + ((66 - 6) \times (6 \times 6 \times 6 + 6)) \\
&:= 7 + ((7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) + (7 + 7)/7) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) + ((8 + 8)/8)) \\
&:= (999/9) + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13387 &:= 11 \times ((11 \times 111) - (1 + 1 + 1 + 1)) \\
&:= ((222/2) \times ((22/2)^2)) - (2 \times 22) \\
&:= ((3^3 - 3/3) \times (((3 - 3/3)^{3 \times 3}) + 3)) - 3 \\
&:= (44/4) + (44 \times (44 + 4^4) + 4) \\
&:= 55 + (((55 + 5)/5) \times (5555/5)) \\
&:= 66 + (((66 - 6) \times (6 \times 6 \times 6 + 6)) + 6/6) \\
&:= 77 + (((777 - 7)/7) \times (((7 + 7)/7)^7) - 7) \\
&:= 88/8 + (88 \times ((8 \times 8) + 88)) \\
&:= 9 + (((9 + 9)/9)^{9-9/9}) + (9 \times (9 \times (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13388 &:= 1 + (11 \times ((11 \times 111) - (1 + 1 + 1 + 1))) \\
&:= 2 \times (((2/2 + 2) \times (2222 + 2)) + 22) \\
&:= (3/3 + 3) \times ((3333 + (33/3)) + 3) \\
&:= 4 + (((44 \times (44 + 4^4) + 4) + 4) + 4) \\
&:= 5 \times 5 + ((55 \times ((5 - (5 + 5)/5)^5)) - ((5 + 5)/5)) \\
&:= 6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - (6/6 + 6)) + 6 \\
&:= (77/7) + (7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) \\
&:= ((88 + 8)/8) + (88 \times ((8 \times 8) + 88)) \\
&:= (9 \times ((9 \times (99 + (9 \times 9))) - 9)) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13389 &:= 1 + (1 + (11 \times ((11 \times 111) - (1 + 1 + 1 + 1)))) \\
&:= 2 + (((222/2) \times ((22/2)^2)) - (2 \times 22)) \\
&:= ((3 \times 3 + 3) \times (33 \times 33 + 3^3)) - 3 \\
&:= 44 + (((44/4)^4) - (((4 + 4)/4) + 4)^4) \\
&:= 5 \times 5 + ((55 \times ((5 - (5 + 5)/5)^5)) - 5/5) \\
&:= (6 \times (6 \times (((6 \times (66 - 6)) + 6) + 6))) - (6 \times 6/(6 + 6)) \\
&:= 77 + (((7 + 7)/7)^7) \times ((777/7) - 7) \\
&:= ((88 + 8 + 8)/8) + (88 \times ((8 \times 8) + 88)) \\
&:= 9 + (((9 \times 99) + 9/9) \times ((9 - ((9 + 9 + 9)/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13390 &:= (11 - 1) \times (11 + ((11^{1+1+1}) - (1 + 1 + 1))) \\
&:= 2 + (((2 + 2 + 2) \times (2222 + 2)) + 2 \times 22) \\
&:= (3^3 - 3/3) \times (((3 - 3/3)^{3 \times 3}) + 3) \\
&:= 4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4) + 4^4) \\
&:= 5 \times 5 + (55 \times ((5 - (5 + 5)/5)^5)) \\
&:= (6/6 - 66) \times (((66 - 6)/6) - (6 \times 6 \times 6)) \\
&:= ((7 - 7/7) + 7) \times ((7 \times (7 \times (7 + 7 + 7))) + 7/7) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) - ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - ((9 + 9)/9)) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13391 &:= 11 + ((1 + 11) \times (1 + (1 + (1 + 1 + 1111)))) \\
&:= (2 \times (2 - 22)) + ((222/2) \times ((22/2)^2)) \\
&:= (3 \times 3^3) + (((3 \times 3) + 3/3) \times ((33/3)^3)) \\
&:= 4 + ((44 \times (44 + 4^4) + 4) + 44/4) \\
&:= 5 + ((5555 + ((5/5 + 5)^5)) + 55) \\
&:= (6 \times (6 \times ((6 \times (66 - 6)) + 6) + 6)) - 6/6 \\
&:= 7 + ((7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) + 7) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) - 8/8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9/9) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13392 &:= (1 + 11) \times (1 + (1 + (1 + (1 + 1 + 1111)))) \\
&:= (2/2 + 2) \times (((2 \times 2222) - 2) + 22) \\
&:= (3 \times 3 + 3) \times (33 \times 33 + 3^3) \\
&:= 4 \times ((44 \times ((4 \times (4 + 4)) + 44)) + 4) \\
&:= ((55 + 5)/5) \times (5555/5 + 5) \\
&:= 6 \times (6 \times (((6 \times (66 - 6)) + 6) + 6)) \\
&:= 7 + (((7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) + 7/7) + 7) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13393 &:= 1 + ((1 + 11) \times (1 + (1 + (1 + 1 + 1111)))) \\
&:= 2 + (((222/2) \times ((22/2)^2)) + (2 \times (2 - 22))) \\
&:= 3 + ((3^3 - 3/3) \times (((3 - 3/3)^{3 \times 3}) + 3)) \\
&:= ((4 - 4/4)^4) + (4^4 \times ((44 + 4) + 4)) \\
&:= 5 \times 5 + (((5 \times 5) - 5/5) \times (555 + ((5 + 5)/5))) \\
&:= 6/6 + (6 \times (6 \times (((6 \times (66 - 6)) + 6) + 6))) \\
&:= 7 \times 7 + (((77 + 7)/7) \times ((7777 + 7)/7)) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) + 8/8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + 99) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13394 &:= (11 \times (11 \times 111)) - (111/(1 + 1 + 1)) \\
&:= 2 + ((2/2 + 2) \times (((2 \times 2222) - 2) + 22)) \\
&:= ((3/3 + 33) + 3) \times (((33 \times 33) - 3)/3) \\
&:= 4 \times 4 + (((4 + 4)/4) \times ((4 - 4/4)^{4+4}) + 4^4) \\
&:= 5 + (((55 \times ((5 - (5 + 5)/5)^5)) - 5/5) + 5 \times 5) \\
&:= ((6 + 6)/6) + (6 \times (6 \times (((6 \times (66 - 6)) + 6) + 6))) \\
&:= 7 + (((777 - 7)/7) \times (((7 + 7)/7)^7 - 7) + 77) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) + ((8 + 8)/8)) + 8) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13395 &:= (11 \times (11 \times 111)) - ((1 + 1 + 1) \times (1 + 11)) \\
&:= (2/2 + 2) \times (((2 \times 2222) - 2/2) + 22) \\
&:= 3 + ((3 \times 3 + 3) \times (33 \times 33 + 3^3)) \\
&:= ((4^4 - 4)/4) + ((4 - 4/4) \times 4444) \\
&:= 5 + ((55 \times ((5 - (5 + 5)/5)^5)) + 5 \times 5) \\
&:= (6 \times 6/(6 + 6)) + (6 \times (6 \times (((6 \times (66 - 6)) + 6) + 6))) \\
&:= 7 + ((7 \times (7 \times ((7 \times 7 \times 7 - 77) + 7))) + (77/7)) \\
&:= ((88/8) + 8) \times ((8 \times 88) + 8/8) \\
&:= (999/9) + ((9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13396 &:= (11 \times ((11 \times 111) - (1 + 1 + 1))) - (1 + 1) \\
&:= (2^{2+2+2}) + ((2 + 2 + 2) \times 2222) \\
&:= ((3/3 + 3)^3) + ((3/3 + 3) \times 3333) \\
&:= 4 + ((44 \times (44 + 4^4) + 4) + 4 \times 4) \\
&:= (((555/5) + 5)^{(5+5)/5}) - (55 + 5) \\
&:= 66 + (((6 + 6)/6) \times (6666 - 6/6)) \\
&:= (((77 - 7)/7) + 7) \times ((77/7) + 777) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) + ((88 + 8)/8)) \\
&:= ((999 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13397 &:= (11 \times ((11 \times 111) - (1 + 1 + 1))) - 1 \\
&:= ((2/2 + 2) \times ((2 \times 2222) + 22)) - 2/2 \\
&:= (3 \times ((3 \times (3 + 3))^3)) - (((3/3 + 3)^{3+3}) + 3) \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) + ((4 - 4/4)^4)) \\
&:= 5 + (((55 + 5)/5) \times (5555/5 + 5)) \\
&:= 6 + ((6 \times (6 \times (((6 \times (66 - 6)) + 6) + 6))) - 6/6) \\
&:= (77 \times ((7 \times (7 + 7) + 77)) - (7/7 + 77)) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) + ((88 + 8 + 8)/8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (((999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13398 &:= 11 \times ((11 \times 111) - (1 + 1 + 1)) \\
&:= (2/2 + 2) \times ((2 \times 2222) + 22) \\
&:= 33 + (3 \times (3^3 \times (((3 + 3) \times 3^3) + 3))) \\
&:= (4^4 \times (44 + 4)) + ((4444 - 4)/4) \\
&:= ((55 + 55)/5) \times (((5^5 - 55)/5) - 5) \\
&:= 6 + (6 \times (6 \times (((6 \times (66 - 6)) + 6) + 6))) \\
&:= 77 \times (((7 \times (7 + 7) - 7/7) + 77)) \\
&:= (88/8) \times ((8 \times ((8 \times 8) + 88)) + ((8 + 8)/8)) \\
&:= (99/9) \times (((9999 - 9)/9) + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13399 &:= 1 + (11 \times ((11 \times 111) - (1 + 1 + 1))) \\
&:= 2/2 + ((2/2 + 2) \times ((2 \times 2222) + 22)) \\
&:= (3333/3) + (3 \times ((3/3 + 3)^{3+3})) \\
&:= (4444/4) + (4^4 \times (44 + 4)) \\
&:= 55 + (((5 \times 5) - 5/5) \times (555 + 5/5)) \\
&:= 6 + ((6 \times (6 \times (((6 \times (66 - 6)) + 6) + 6))) + 6/6) \\
&:= 7/7 + (77 \times (((7 \times (7 + 7) - 7/7) + 77)) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) - 8/8) + 8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - ((9 + 9)/9)) + 99 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13400 &:= 1 + (1 + (11 \times ((11 \times 111) - (1 + 1 + 1)))) \\
&:= 2 + ((2/2 + 2) \times ((2 \times 2222) + 22)) \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3) + 3 \times 3) \\
&:= 44 + ((4^4 \times ((44 + 4) + 4)) + 44) \\
&:= 5 \times ((5 \times ((555 - 5 \times 5) + 5)) + 5) \\
&:= 66 + (((6 + 6)/6) \times (6666 + 6/6)) \\
&:= ((7 + 7)/7) + (77 \times (((7 \times (7 + 7) - 7/7) + 77)) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) + 8) + 8) \\
&:= (9/9 + 9) \times (((99/9)^{(9+9+9)/9}) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13401 &:= 1 + (1 + (1 + (11 \times ((11 \times 111) - (1 + 1 + 1)))))) \\
&:= (2/2 + 2) \times (((2 \times 2222) + 22) + 2/2) \\
&:= 333 + (3 \times ((3 + 3) \times ((3^{3+3}) - 3))) \\
&:= (4 \times 44) + (((444/4) + 4)^{(4+4)/4}) \\
&:= (((555/5) + 5)^{(5+5)/5}) - 55 \\
&:= (6 \times (6 \times 66)) + (((666/6) - 6)^{(6+6)/6}) \\
&:= (((77/7 + 7) + 7) \times ((7 \times 77) - 7/7)) - (7 \times 7) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) + 8/8) + 8) + 8 \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13402 &:= 1111 + ((1 + 1 + 1) \times (1 + ((1 + 1)^{11+1}))) \\
&:= (2 \times (((2 \times (2 \times (22 - 2))) + 2)^2) - 22) - 2 \\
&:= 3 + ((3 \times ((3/3 + 3)^{3+3})) + (3333/3)) \\
&:= 4 + (((4444 - 4)/4) + (4^4 \times (44 + 4))) \\
&:= (((5 + 5)/5) + 5)^5 - (((5 \times 55) + 5^5) + 5) \\
&:= ((6 + 6)/6) \times ((6666 - 6/6) + (6 \times 6)) \\
&:= 77 + (((77 + 7)/7) \times (7777/7)) - 7 \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) + ((8 + 8)/8) + 8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + 99) + 9/9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13403 &:= ((1 + 11) \times (1111 + ((1 + 1) \times (1 + 1 + 1)))) - 1 \\
&:= ((2/2 + 2 + 2)^{2+2+2}) - 2222 \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) + 3 \times 3)) \\
&:= 4 + ((4444/4) + (4^4 \times (44 + 4))) \\
&:= (5 \times 5^5) - (((5 + 5)/5) \times (5555/5)) \\
&:= ((6 + 6) \times ((6666/6) + 6)) - 6/6 \\
&:= 7 + (((77 - 7)/7) + 7) \times ((77/7) + 777) \\
&:= 8 + (((88/8) + 8) \times ((8 \times 88) + 8/8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (99/9)) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13404 &:= (1 + 11) \times (1111 + ((1 + 1) \times (1 + 1 + 1))) \\
&:= 2 \times (((2 \times (2 \times (22 - 2))) + 2)^2) - 22 \\
&:= (3/3 + 3) \times (3333 + 3 \times (3 + 3)) \\
&:= ((4 + 4) \times ((44 \times 44) - (4^4 + 4))) - 4 \\
&:= 555 + ((5 \times (5^5 - 555)) - 5/5) \\
&:= (6 + 6) \times ((6666/6) + 6) \\
&:= ((77 + 7)/7) \times (((7777 - 7)/7) + 7) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) + ((88 + 8)/8) + 8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13405 &:= 1 + ((1 + 11) \times (1111 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= ((222/2 - 2) \times (((22/2)^2) + 2)) - 2 \\
&:= ((3^3 - 3)^3) - (((3^3 - 3)^3) + 3)/33 \\
&:= 44 + (((44/4)^4) - ((4 \times 4^4) + 4^4)) \\
&:= 555 + (5 \times (5^5 - 555)) \\
&:= 6/6 + ((6 + 6) \times ((6666/6) + 6)) \\
&:= 7 + (77 \times (((7 \times (7 + 7)) - 7/7) + 77)) \\
&:= ((88 + 8 + 8) \times (8 \times (8 + 8) + 8/8)) - (88/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13406 &:= (11 \times ((11 \times 111) - (1 + 1))) - (1 + 1 + 1) \\
&:= 2 + (2 \times (((2 \times (2 \times (22 - 2))) + 2)^2) - 22) \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) + 3 \times 3)) + 3 \\
&:= ((4 + 4) \times ((44 \times 44) - (4^4 + 4))) - ((4 + 4)/4) \\
&:= 5 + (((555/5) + 5)^{(5+5)/5}) - 55 \\
&:= ((6 + 6)/6) + ((6 + 6) \times ((6666/6) + 6)) \\
&:= 7 + ((77 \times (((7 \times (7 + 7)) - 7/7) + 77)) + 7/7) \\
&:= (((88/8) + 8) \times (((8 + 8)/8) + (8 \times 88))) - 8 \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + ((999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13407 &:= (111 - (1 + 1)) \times (1 + (1 + (11^{1+1}))) \\
&:= (222/2 - 2) \times (((22/2)^2) + 2) \\
&:= ((3 \times 3 + 3 + 3) \times ((33 \times 3^3) + 3)) - 3 \\
&:= ((4 + 4) \times ((44 \times 44) - (4^4 + 4))) - 4/4 \\
&:= (((5 + 5)/5) + 5)^5 - ((5 \times 55) + 5^5) \\
&:= (6 \times 6/(6 + 6)) + ((6 + 6) \times ((6666/6) + 6)) \\
&:= (((77/7) + (7 \times (7 + 7))) + 7)^{(7+7)/7} - (7 \times 7) \\
&:= 88 + ((888 \times ((8 - 8/8) + 8)) - 8/8) \\
&:= ((9/9 + 99) + 9) \times (((999 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13408 &:= (11 \times ((11 \times 111) - (1 + 1))) - 1 \\
&:= 2 \times (((2 \times (2 \times (22 - 2))) + 2)^2) - 22 + 2 \\
&:= (33 - 3/3) \times (((3^3 - 3)^3) + 3)/33 \\
&:= (4 + 4) \times ((44 \times 44) - (4^4 + 4)) \\
&:= 5 + ((5 \times 5^5) - (((5 + 5)/5) \times (5555/5))) \\
&:= 6 + (((6 + 6)/6) \times ((6666 - 6/6) + (6 \times 6))) \\
&:= 7 + (((77/7 + 7) + 7) \times ((7 \times 77) - 7/7)) - (7 \times 7) \\
&:= 88 + (888 \times ((8 - 8/8) + 8)) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) + (99/9))) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13409 &:= 11 \times ((11 \times 111) - (1 + 1)) \\
&:= ((222/2) \times ((22/2)^2)) - 22 \\
&:= (3 \times 33) + (((3 \times 3) + 3/3) \times ((33/3)^3)) \\
&:= ((44/4)^4) + (44 \times (4 - 4 \times (4 + 4))) \\
&:= (5 \times 5^5) + ((5 - 5/5) \times (5/5 - 555)) \\
&:= 6 + (((6 + 6) \times ((6666/6) + 6)) - 6/6) \\
&:= 77 + (((77 + 7)/7) \times (7777/7)) \\
&:= 8/8 + ((888 \times ((8 - 8/8) + 8)) + 88) \\
&:= (99/9) \times ((9999/9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13410 &:= 1 + (11 \times ((11 \times 111) - (1 + 1))) \\
&:= (2/2 + 2) \times ((2 \times (2222 + 2)) + 22) \\
&:= (3 \times 3 + 3 + 3) \times ((33 \times 3^3) + 3) \\
&:= (44 + 4/4) \times ((4^4 - (4 + 4)/4) + 44) \\
&:= 5 + ((555 \times (5/5 - 5)) + (5 \times 5^5)) \\
&:= 6 + ((6 + 6) \times ((6666/6) + 6)) \\
&:= (7 \times (7 + 7)) + (((7 + 7)/7)^7) \times ((777/7) - 7) \\
&:= ((8 - 8/8) + 8) \times ((888 - ((8 + 8)/8)) + 8) \\
&:= (9 + 9) \times (((9 \times (9 \times 9)) - ((9 + 9)/9)) + 9) + 9
\end{aligned}$$

- ▶ **13411** := $1 + (1 + (11 \times ((11 \times 111) - (1 + 1))))$
:= $2 + (((222/2) \times ((22/2)^2)) - 22)$
:= $3/3 + ((3 \times 3 + 3 + 3) \times ((33 \times 3^3) + 3))$
:= $4 + (((4 + 4) \times ((44 \times 44) - (4^4 + 4))) - 4/4)$
:= $((5 \times 5) + 5/5) \times ((55 + 5^5)/5) - 5^5$
:= $6 + (((6 + 6) \times ((6666/6) + 6)) + 6/6)$
:= $7 + (((77 + 7)/7) \times (((7777 - 7)/7) + 7))$
:= $8 + (((88/8) + 8) \times ((8 \times 88) + 8/8)) + 8$
:= $99 + (((9 + 9)/9)^9) \times (((9 - 9/9) + 9) + 9)$
- ▶ **13412** := $1 + (1 + (1 + (11 \times ((11 \times 111) - (1 + 1))))))$
:= $2 \times ((2 \times (((2 + 2 + 2)^2) + 22^2)) - 22)$
:= $(3^3 + 3/3) \times (((3 - 3/3)^{3 \times 3}) - 33)$
:= $4 + ((4 + 4) \times ((44 \times 44) - (4^4 + 4)))$
:= $5 + (((5 + 5)/5) + 5^5) - ((5 \times 55) + 5^5)$
:= $6 + (((6 + 6) \times ((6666/6) + 6)) + ((6 + 6)/6))$
:= $(7 + 7) \times (((77 \times 77) + 777)/7)$
:= $88 + (((88 + 8)/8) \times (8888/8)) - 8$
:= $((9 + 9)/9) \times (((9/9 + 9 \times 9)^{9+9/9}) - (9 + 9))$
- ▶ **13413** := $1 + (1 + (1 + (1 + (11 \times ((11 \times 111) - (1 + 1))))))$
:= $2 + (((222/2) \times ((22/2)^2)) - 22) + 2$
:= $3 + ((3 \times 3 + 3 + 3) \times ((33 \times 3^3) + 3))$
:= $4 + ((44 \times (4 - 4 \times (4 + 4))) + ((44/4)^4))$
:= $5^5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) - ((5 + 5)/5))$
:= $((66/6) + 6) \times (((6 \times 6/(6 + 6))^6) - 6) + 66$
:= $7/7 + ((7 + 7) \times (((77 \times 77) + 777)/7))$
:= $8 \times 8 + (((88/8) + 8) \times ((8 \times 88) - 8/8)) - 8$
:= $9 \times 9 + (((99 + 9)/9) \times 9999/9)$
- ▶ **13414** := $(11 \times ((11 \times 111) - 1)) - ((1 + 1) \times (1 + 1 + 1))$
:= $(22 - (2/2 + 2)) \times (222 + 22^2)$
:= $3 + (((3 \times 3 + 3 + 3) \times ((33 \times 3^3) + 3)) + 3/3)$
:= $4 + ((44 + 4/4) \times ((4^4 - (4 + 4)/4) + 44))$
:= $5^5 + (((5 + 5) \times ((5 - 5/5)^5 + 5)) - 5/5)$
:= $((6 + 6)/6) \times (((6666 - 6/6) + (6 \times 6)) + 6)$
:= $7 \times 7 + (((7 + 7)/7)^7) + 7 \times ((7 \times (7 + 7)) + 7/7)$
:= $((88/8) + 8) \times (((8 + 8)/8) + (8 \times 88))$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + ((999 + 9)/9)) + 9$
- ▶ **13415** := $(11 \times (11 \times 111)) - ((1 + 1)^{1+1+1+1})$
:= $((2 \times (22 + 2))^2) + (22222/2)$
:= $3 + ((3^3 + 3/3) \times (((3 - 3/3)^{3 \times 3}) - 33))$
:= $((44 + 4) + 4) \times ((4 + 4)/4 + 4^4) - 4/4$
:= $5^5 + ((5 + 5) \times ((5 - 5/5)^5 + 5))$
:= $(66/6) + ((6 + 6) \times ((6666/6) + 6))$
:= $(77 \times ((7 \times (7 + 7)) + 77)) - ((77/7) + (7 \times 7))$
:= $((88 + 8 + 8) \times (8 \times (8 + 8) + 8/8)) - 8/8$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + ((999 + 99)/9))$
- ▶ **13416** := $(1 + 11) \times (((11 - 1) \times (1 + 111)) - (1 + 1))$
:= $2 \times ((22 + 2 + 2) \times ((2^{2 \times (2+2)} + 2))$
:= $3 \times (((33/3 + 3)^3) + ((3 \times 3 + 3)^3))$
:= $((44 + 4) + 4) \times ((4 + 4)/4 + 4^4)$
:= $((5 \times 5) - 5/5) \times ((555 - 5/5) + 5)$
:= $(6 + 6) \times (((6666 + 6)/6) + 6)$
:= $(7 - 7/7) \times (((7 + 7 + 7)/7)^7) + (7 \times 7)$
:= $(88 + 8 + 8) \times (8 \times (8 + 8) + 8/8)$
:= $((99 + 9)/9) \times (((9999 - (9 + 9))/9) + 9)$
- ▶ **13417** := $(11 \times ((11 \times 111) - 1)) - (1 + 1 + 1)$
:= $2 + ((22222/2) + ((2 \times (22 + 2))^2))$
:= $((3^{3 \times 3})/3) + (((3 \times (3 + 3)) + 3/3)^3) - 3$
:= $4/4 + (((44 + 4) + 4) \times ((4 + 4)/4 + 4^4))$
:= $5 + (((5 + 5)/5) + 5^5) - ((5 \times 55) + 5^5) + 5$
:= $6/6 + ((6 + 6) \times (((6666 + 6)/6) + 6))$
:= $((777/7) \times (((7 + 7)/7)^7) - 7) - (7 + 7)$
:= $8/8 + ((88 + 8 + 8) \times (8 \times (8 + 8) + 8/8))$
:= $((9 + 9)/9)^{9/9+9} + (9 \times (9 \times ((9 \times (9 + 9)) - 9)))$
- ▶ **13418** := $(11 \times ((11 \times 111) - 1)) - (1 + 1)$
:= $2 + (2 \times ((22 + 2 + 2) \times ((2^{2 \times (2+2)} + 2)))$
:= $(3 \times (((3 + 3) \times (3^{3+3})) + (3 \times 33))) - 3/3$
:= $44 + ((44 \times (44 + 4^4) + 4) - ((4 + 4)/4))$
:= $55 + ((55 \times ((5 - (5 + 5)/5)^5) - ((5 + 5)/5))$
:= $((6 + 6)/6) + ((6 + 6) \times (((6666 + 6)/6) + 6))$
:= $(77 \times ((7 \times (7 + 7)) + 77)) - ((7/7 + (7 \times 7)) + 7)$
:= $8 + (((8 - 8/8) + 8) \times ((888 - ((8 + 8)/8)) + 8))$
:= $9 + ((99/9) \times ((9999/9 + 99) + 9))$
- ▶ **13419** := $(11 \times ((11 \times 111) - 1)) - 1$
:= $((222/2) \times ((22/2)^2)) - (2 \times (2 + 2 + 2))$
:= $3 \times (((3 + 3) \times (3^{3+3})) + (3 \times 33))$
:= $((4^4 - 4)/4) \times ((4/4 - 44) + 4^4)$
:= $55 + ((55 \times ((5 - (5 + 5)/5)^5) - 5/5)$
:= $(66 \times ((6 \times 6 \times 6) - (66/6))) - (666/6)$
:= $((7 + 7) \times (7 + 7) - 7) \times ((7/7 - 7) + 77)$
:= $8 + (((88/8) + 8) \times ((8 \times 88) + 8/8)) + 8 + 8$
:= $99 + ((9 + 9) \times ((9 \times (9 \times 9)) + (99/9)))$
- ▶ **13420** := $11 \times ((11 \times 111) - 1)$
:= $2 \times ((22 + 2 + 2) \times ((2^{2 \times (2+2)} + 2)) + 2)$
:= $((3^{3 \times 3})/3) + (((3 \times (3 + 3)) + 3/3)^3)$
:= $44 + (44 \times (44 + 4^4) + 4)$
:= $55 + (55 \times ((5 - (5 + 5)/5)^5))$
:= $(66/6) \times (((66 \times (666/6)) - 6)/6)$
:= $77/7 \times (((77 \times (777/7)) - 7)/7)$
:= $88 + (((88 + 8)/8) \times (8888/8))$
:= $(99/9) \times (((99 \times (999/9)) - 9)/9)$

$$\begin{aligned}
\blacktriangleright 13421 &:= 1 + (11 \times ((11 \times 111) - 1)) \\
&:= ((2 - 22)/2) + ((222/2) \times ((22/2)^2)) \\
&:= (((3^{3 \times 3}) + 3)/3) + (((3 \times (3 + 3)) + 3/3)^3) \\
&:= 44 + ((44 \times (44 + 4^4) + 4) + 4/4) \\
&:= 5 + (((5 \times 5) - 5/5) \times ((555 - 5/5) + 5)) \\
&:= 6 + (((6 + 6) \times ((6666/6) + 6)) + (66/6)) \\
&:= 77 + (((77 + 7)/7) \times ((7777 + 7)/7)) \\
&:= 8 \times 8 + (((88/8) + 8) \times ((8 \times 88) - 8/8)) \\
&:= (((9 + 9)/9) \times ((9/9 + (9 \times 9))^{(9+9)/9} - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13422 &:= 1 + (1 + (11 \times ((11 \times 111) - 1))) \\
&:= 22222 - (22 \times ((22 - 2)^2)) \\
&:= 3 + (3 \times (((3 + 3) \times (3^{3+3})) + (3 \times 33))) \\
&:= ((444 - 4)/4) + (4^4 \times ((44 + 4) + 4)) \\
&:= 55 + ((55 \times ((5 - (5 + 5)/5)^5) + ((5 + 5)/5)) \\
&:= 6 + ((6 + 6) \times (((6666 + 6)/6) + 6)) \\
&:= (7 - 7/7) \times (((((7 + 7 + 7)/7)^7) + (7 \times 7)) + 7/7) \\
&:= 8 + (((88/8) + 8) \times (((8 + 8)/8) + (8 \times 88))) \\
&:= ((99/9) \times ((99/9) \times (999/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13423 &:= 1 + (1 + (1 + (11 \times ((11 \times 111) - 1)))) \\
&:= ((222/2) \times ((22/2)^2)) - (2 \times (2 + 2)) \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) + ((3^{3 \times 3})/3) \\
&:= 444/4 + (4^4 \times ((44 + 4) + 4)) \\
&:= 55 + (((5 \times 5) - 5/5) \times (555 + ((5 + 5)/5))) \\
&:= ((6 - 6/6)^6) + ((6 \times ((6 \times (6 - 66)) - 6)) - 6) \\
&:= 7 + ((7 - 7/7) \times (((((7 + 7 + 7)/7)^7) + (7 \times 7))) \\
&:= 88 + (((8 - 8/8) + 8) \times (888 + 8/8)) \\
&:= 9999/9 + (9 \times ((9 \times ((9 \times (9 + 9)) - 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13424 &:= 1 + (1 + (1 + (1 + (11 \times ((11 \times 111) - 1)))))) \\
&:= ((22 + 2)^{2/2+2}) - ((22 - 2)^2) \\
&:= 3 + (((3 \times (3 + 3)) + 3/3)^3) + (((3^{3 \times 3}) + 3)/3) \\
&:= ((4 + 4)^4) + (44 \times (4^4 - 44)) \\
&:= ((5 - 5/5)^5) + ((5 - 5/5) \times (5^5 - (5 \times 5))) \\
&:= (((6 \times 6) - ((6 + 6)/6)) \times ((6 \times 66) - 6/6)) - 6 \\
&:= ((777/7) \times (((((7 + 7)/7)^7) - 7)) - 7) \\
&:= 8 + ((88 + 8 + 8) \times (8 \times (8 + 8) + 8/8)) \\
&:= ((9 + 9)/9) \times ((9 \times (((9 \times (9 \times 9)) + 9) + 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13425 &:= (11 \times (11 \times 111)) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= ((222/2) \times ((22/2)^2)) - (2 + 2 + 2) \\
&:= ((3^3 - 3)^3) - ((33 \times (3 \times 3 + 3)) + 3) \\
&:= ((44/4)^4) - (4 \times (44 + 4^4) + 4) \\
&:= 5 + ((55 \times ((5 - (5 + 5)/5)^5) + 55) \\
&:= ((66/6) \times ((66/6) \times (666/6))) - 6 \\
&:= ((7/7 + 7) + 7) \times ((7 \times (((7 + 7)/7)^7)) - 7/7) \\
&:= ((8 - 8/8) + 8) \times ((888 - 8/8) + 8) \\
&:= 9 \times 9 + (((99 + 9)/9) \times ((9999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13426 &:= (11 \times (11 \times 111)) - (1 + 1 + 1 + 1 + 1) \\
&:= (2 \times (((2 \times (2 \times (22 - 2))) + 2)^2)) - 22 \\
&:= 3 + (((((3 \times (3 + 3)) + 3/3)^3) + ((3^{3 \times 3})/3)) + 3) \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) + ((444 - 4)/4)) \\
&:= (55 - (5/5 + 5)) \times ((5 \times 55) - 5/5) \\
&:= 6 + ((66/6) \times (((66 \times (666/6)) - 6)/6)) \\
&:= 7 \times ((7 \times ((7 \times 7 \times 7 - 77) + 7)) + 7) \\
&:= 8/8 + (((8 - 8/8) + 8) \times ((888 - 8/8) + 8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13427 &:= (11 \times (11 \times 111)) - (1 + 1 + 1 + 1) \\
&:= ((222/2) \times ((22/2)^2)) - (2 + 2) \\
&:= ((33/3)^3) + ((33 + 3) \times (333 + 3)) \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) + (444/4)) \\
&:= 5/5 + ((55 - (5/5 + 5)) \times ((5 \times 55) - 5/5)) \\
&:= (66 \times ((6 \times 6 \times 6) - (6 + 6))) - ((6 \times 6) + 6/6) \\
&:= 7/7 + (7 \times ((7 \times ((7 \times 7 \times 7 - 77) + 7)) + 7)) \\
&:= 88/8 + ((88 + 8 + 8) \times (8 \times (8 + 8) + 8/8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9) - ((9/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13428 &:= (11 \times (11 \times 111)) - (1 + 1 + 1) \\
&:= (2 + 2 + 2) \times (2222 + (2^{2+2})) \\
&:= ((3^3 - 3)^3) - (33 \times (3 \times 3 + 3)) \\
&:= 4 + ((44 \times (4^4 - 44) + ((4 + 4)^4)) \\
&:= (5 \times 5^5) - (((55 + 5 + 5)/5)^{5-(5+5)/5}) \\
&:= 6 \times ((6 \times ((6 \times (66 - 6)) + 6) + 6)) + 6 \\
&:= ((77 + 7)/7) \times (((7777 + 7)/7) + 7) \\
&:= ((88 + 8)/8) \times ((8888/8) + 8) \\
&:= (9 + 9) \times (((9 \times (9 \times 9)) - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13429 &:= (11 \times (11 \times 111)) - (1 + 1) \\
&:= ((222/2) \times ((22/2)^2)) - 2 \\
&:= 3/3 + (((3^3 - 3)^3) - (33 \times (3 \times 3 + 3))) \\
&:= 4 + (((44/4)^4) - (4 \times (44 + 4^4) + 4)) \\
&:= (((5 \times 5) - 5/5) \times (555 + 5)) - (55/5) \\
&:= ((6 - 6/6)^6) + (6 \times ((6 \times (6 - 66)) - 6)) \\
&:= (((((7 + 7)/7)^7) \times (7 \times (7 + 7) + 7)) - (77/7)) \\
&:= 8 \times 8 + ((88 \times ((8 \times 8) + 88)) - 88/8) \\
&:= 9/9 + ((9 + 9) \times (((9 \times (9 \times 9)) - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13430 &:= (11 \times (11 \times 111)) - 1 \\
&:= ((222/2) \times ((22/2)^2)) - 2/2 \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3) + 3 \times 3 + 3) \\
&:= ((4 - 44)/4) + ((4 + 4) \times ((44 \times 44) - 4^4)) \\
&:= 55 + (5 \times (5 \times ((555 - 5 \times 5) + 5))) \\
&:= ((6 \times 6) - ((6 + 6)/6)) \times ((6 \times 66) - 6/6) \\
&:= ((777/7) \times (((((7 + 7)/7)^7) - 7)) - 7/7) \\
&:= 8 + (((88/8) + 8) \times (((8 + 8)/8) + (8 \times 88))) + 8) \\
&:= ((9 + 9)/9) \times (((9/9 + (9 \times 9))^{(9+9)/9} - 9)
\end{aligned}$$

$$\blacktriangleright 13431 := 11 \times (11 \times 111)$$

$$:= (222/2) \times ((22/2)^2)$$

$$:= 33 \times ((33 \times 333)/3^3)$$

$$:= (44/4) \times ((44/4) \times (444/4))$$

$$:= (55/5) \times (55/5 \times (555/5))$$

$$:= (66/6) \times ((66/6) \times (666/6))$$

$$:= (777/7) \times (((7+7)/7)^7) - 7$$

$$:= (88/8) \times ((88/8) \times (888/8))$$

$$:= (99/9) \times ((99/9) \times (999/9))$$

$$\blacktriangleright 13436 := 1 + (1 + (1 + (1 + (1 + (11 \times (11 \times 111))))))$$

$$:= 2 + ((((((222+2)/2) + 2) + 2)^2) - 22)$$

$$:= (3/3 + 3) \times ((3333 - 3/3) + 3^3)$$

$$:= ((4+4) \times ((44 \times 44) - 4^4)) - 4$$

$$:= 5 + (55/5 \times (55/5 \times (555/5)))$$

$$:= 6 + (((6 \times 6) - ((6+6)/6)) \times ((6 \times 66) - 6/6))$$

$$:= 7 + (((((7+7)/7)^7) \times (7 \times (7+7) + 7)) - (77/7))$$

$$:= 8 + (((88+8)/8) \times ((8888/8) + 8))$$

$$:= ((9+9) \times (((9 \times (9 \times 9)) + 9) + 9)) - (9/9 + 9)$$

$$\blacktriangleright 13432 := 1 + (11 \times (11 \times 111))$$

$$:= 2/2 + ((222/2) \times ((22/2)^2))$$

$$:= 3/3 + (33 \times ((33 \times 333)/3^3))$$

$$:= (4+4) \times ((44 \times 44) - (4/4 + 4^4))$$

$$:= (5 \times (5 - 55)) + (((((5+5)/5) + 5)^5) - 5^5)$$

$$:= 6/6 + ((66/6) \times ((66/6) \times (666/6)))$$

$$:= 7/7 + (((777/7) \times (((7+7)/7)^7) - 7))$$

$$:= 8 \times 8 + ((88 \times ((8 \times 8) + 88)) - 8)$$

$$:= 9/9 + ((99/9) \times ((99/9) \times (999/9)))$$

$$\blacktriangleright 13437 := ((1+1) \times (1+1+1)) + (11 \times (11 \times 111))$$

$$:= 2 + (((222/2) \times ((22/2)^2)) + 2) + 2$$

$$:= 3 \times (3 \times (((33/3)^3) + ((3+3) \times 3^3)))$$

$$:= ((44/4)^4) - ((4 \times (44 + 4^4)) + 4)$$

$$:= (5 \times (5 \times ((5+5) \times 55))) - ((5^5 + 5)/(5+5))$$

$$:= 6 + ((66/6) \times ((66/6) \times (666/6)))$$

$$:= 7 + (((777/7) \times (((7+7)/7)^7) - 7) - 7/7)$$

$$:= 8 + (((88 \times ((8 \times 8) + 88)) - 88/8) + (8 \times 8))$$

$$:= ((9+9) \times (((9 \times (9 \times 9)) + 9) + 9)) - 9$$

$$\blacktriangleright 13433 := 1 + (1 + (11 \times (11 \times 111)))$$

$$:= 2 + ((222/2) \times ((22/2)^2))$$

$$:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) + 3 \times 3) + 3)$$

$$:= ((44/4)^4) - (((4 \times (44 + 4^4)) + 4) + 4)$$

$$:= (5 \times 5^5) - (((5 - (5+5)/5)^(5+5)/5+5) + 5)$$

$$:= (((6+6)/6)^6) \times (6 \times 6 \times 6 - 6) - (6/6 + 6)$$

$$:= (((7+7)/7)^7) \times (7 \times (7+7) + 7) - 7$$

$$:= 8 + (((8 - 8/8) + 8) \times ((888 - 8/8) + 8))$$

$$:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - ((99 + 99)/9))$$

$$\blacktriangleright 13438 := ((1+111) \times ((11^{1+1}) - 1)) - (1+1)$$

$$:= (2 \times ((2 \times 2 \times 22)^2)) - ((2^{22/2}) + 2)$$

$$:= (((3 - 3/3) + 3)^{3+3}) - (3 \times (3^{3+3}))$$

$$:= ((4+4) \times ((44 \times 44) - 4^4)) - ((4+4)/4)$$

$$:= (5 \times 5^5) - ((5 - (5+5)/5)^(5+5)/5+5)$$

$$:= ((6 - 6/6)^6) - ((6 \times 6/(6+6))^{6/6+6})$$

$$:= 7 + (((777/7) \times (((7+7)/7)^7) - 7))$$

$$:= 8 \times 8 + ((88 \times ((8 \times 8) + 88)) - ((8+8)/8))$$

$$:= 9/9 + (((9+9) \times (((9 \times (9 \times 9)) + 9) + 9)) - 9)$$

$$\blacktriangleright 13434 := 1 + (1 + (1 + (11 \times (11 \times 111))))$$

$$:= ((((((222+2)/2) + 2) + 2)^2) - 22)$$

$$:= 3 + (33 \times ((33 \times 333)/3^3))$$

$$:= (4^4 \times ((44+4) + 4)) + ((444+44)/4)$$

$$:= (((5 \times 5) - 5/5) \times (555+5)) - (5/5+5)$$

$$:= (((6+6)/6)^6) \times (6 \times 6 \times 6 - 6) - 6$$

$$:= 7/7 + (((7+7)/7)^7) \times (7 \times (7+7) + 7) - 7$$

$$:= 8 \times 8 + (((88 \times ((8 \times 8) + 88)) - 8) + ((8+8)/8))$$

$$:= ((9+9) \times (((9 \times (9 \times 9)) + 9) + 9)) - ((99+9)/9)$$

$$\blacktriangleright 13439 := ((1+111) \times ((11^{1+1}) - 1)) - 1$$

$$:= (2 \times (2+2)) + ((222/2) \times ((22/2)^2))$$

$$:= ((3/3+3) \times (3333+3^3)) - 3/3$$

$$:= ((4+4) \times ((44 \times 44) - 4^4)) - 4/4$$

$$:= (((5 \times 5) - 5/5) \times (555+5)) - 5/5$$

$$:= (((6+6)/6)^6) \times (6 \times 6 \times 6 - 6) - 6/6$$

$$:= (((7+7)/7)^7) \times (7 \times (7+7) + 7) - 7/7$$

$$:= 8 \times 8 + ((88 \times ((8 \times 8) + 88)) - 8/8)$$

$$:= ((9+9)/9) + (((9+9) \times (((9 \times (9 \times 9)) + 9) + 9)) - 9)$$

$$\blacktriangleright 13435 := 1 + (1 + (1 + (1 + (11 \times (11 \times 111)))))$$

$$:= 2 + (((222/2) \times ((22/2)^2)) + 2)$$

$$:= (((3 - 3/3) + 3)^{3+3}) - ((3 \times (3^{3+3})) + 3)$$

$$:= 4 + ((44/4) \times ((44/4) \times (444/4)))$$

$$:= (((5 \times 5) - 5/5) \times (555+5)) - 5$$

$$:= 6 + ((6 \times ((6 \times (6 - 66)) - 6)) + ((6 - 6/6)^6))$$

$$:= 7 + (((77+7)/7) \times (((7777+7)/7) + 7))$$

$$:= 8 + (((88+8+8) \times (8 \times (8+8) + 8/8)) + (88/8))$$

$$:= ((9+9) \times (((9 \times (9 \times 9)) + 9) + 9)) - (99/9)$$

$$\blacktriangleright 13440 := (1+111) \times ((11^{1+1}) - 1)$$

$$:= 2 \times ((2^{2+2} - 2) \times (22^2 - (2+2)))$$

$$:= (3/3+3) \times (3333+3^3)$$

$$:= (4+4) \times ((44 \times 44) - 4^4)$$

$$:= ((5 \times 5) - 5/5) \times (555+5)$$

$$:= (((6+6)/6)^6) \times (6 \times 6 \times 6 - 6)$$

$$:= (((7+7)/7)^7) \times (7 \times (7+7) + 7)$$

$$:= 8 \times ((88 \times ((88/8) + 8)) + 8)$$

$$:= ((99+9)/9) \times (9999/9+9)$$

► 13441 := (11 × (1 + (11 × 111))) – 1
 := 2 + (((222/2) × ((22/2)²)) + (2 × (2 + 2)))
 := 3 + (((3 – 3/3) + 3)³⁺³) – (3 × (3³⁺³))
 := ((44/4)⁴) – (4 × (44 + 4⁴))
 := 5/5 + (((5 × 5) – 5/5) × (555 + 5))
 := 6/6 + (((6 + 6)/6)⁶) × (6 × 6 × 6 – 6)
 := 7/7 + (((7 + 7)/7)⁷) × (7 × (7 + 7) + 7)
 := 8/8 + ((88 × ((8 × 8) + 88)) + (8 × 8))
 := 9/9 + (((99 + 9)/9) × (9999/9 + 9))

► 13446 := 1 + (1 + (1 + (1 + (11 × (1 + (11 × 111))))))
 := (2 × (((2 × (2 × (22 – 2))) + 2)²)) – 2
 := 3 × (3 × ((3 + 3) × (((3 + 3)³) + 33)))
 := ((4 – 4/4)⁴) × (((4 – 44)/4) + (4 × 44))
 := (55 – 5/5) × ((5 × 5 × (5 + 5)) – 5/5)
 := 6 + (((6 + 6)/6)⁶) × (6 × 6 × 6 – 6)
 := 7 + (((7 + 7)/7)⁷) × (7 × (7 + 7) + 7) – 7/7
 := 8 + (((88 × ((8 × 8) + 88)) – ((8 + 8)/8)) + (8 × 8))
 := (9 + 9) × (((9 × (9 × 9)) + 9) + 9)

► 13442 := 11 × (1 + (11 × 111))
 := (2 × (((2 × (2 × (22 – 2))) + 2)²) – 2) – 2
 := (33/3) × (((33 × (333/3)) + 3)/3)
 := 4/4 + (((44/4)⁴) – (4 × (44 + 4⁴)))
 := ((5 + 5)/5) + (((5 × 5) – 5/5) × (555 + 5))
 := ((6 + 6)/6) + (((6 + 6)/6)⁶) × (6 × 6 × 6 – 6)
 := ((7 + 7)/7) + (((7 + 7)/7)⁷) × (7 × (7 + 7) + 7)
 := 8 × 8 + ((88 × ((8 × 8) + 88)) + ((8 + 8)/8))
 := (99/9) × (((99 × (999/9)) + 9)/9)

► 13447 := (1 + (1 + 111)) × ((11¹⁺¹) – (1 + 1))
 := 222 + (((222/2) + 2) + 2)²
 := 3/3 + (3 × (3 × ((3 + 3) × (((3 + 3)³) + 33))))
 := 4 + (((4 + 4) × ((44 × 44) – 4⁴)) – 4/4) + 4
 := 5 + (((5 × 5) – 5/5) × (555 + 5)) + ((5 + 5)/5)
 := ((66/6) + 6) × ((66 × (6 + 6)) – 6/6)
 := 7 + (((7 + 7)/7)⁷) × (7 × (7 + 7) + 7)
 := 8 + (((88 × ((8 × 8) + 88)) – 8/8) + (8 × 8))
 := 9/9 + ((9 + 9) × (((9 × (9 × 9)) + 9) + 9))

► 13443 := 1 + (11 × (1 + (11 × 111)))
 := (222/2) + ((2 + 2 + 2) × 2222)
 := 3 + ((3/3 + 3) × (3333 + 3³))
 := 4 + (((4 + 4) × ((44 × 44) – 4⁴)) – 4/4)
 := (55 × ((5 × 5 × (5 + 5)) – 5)) – (((5 + 5)/5)⁵)
 := (666/6) + ((6 + 6) × (6666/6))
 := (((77/7) + 7) × ((7 × 77) – 7/7)) – 7
 := 8 × 8 + (((88 × ((8 × 8) + 88)) – 8) + (88/8))
 := ((9 + 9) × (((9 × (9 × 9)) + 9) + 9)) – ((9 + 9 + 9)/9)

► 13448 := (1 + 1) × ((1 + ((11 – 1 – 1)¹⁺¹))¹⁺¹)
 := 2 × (((2 × (2 × (22 – 2))) + 2)²)
 := (3 – 3/3) × (((3 × 3³) + 3/3)^{3–3/3})
 := 4 + (((4 + 4) × ((44 × 44) – 4⁴)) + 4)
 := ((5 + 5) × ((5 × (5 × 55 – 5)) – 5)) – ((5 + 5)/5)
 := 6 + (((6 + 6)/6)⁶) × (6 × 6 × 6 – 6) + ((6 + 6)/6)
 := 7 + (((7 + 7)/7)⁷) × (7 × (7 + 7) + 7) + 7/7
 := 8 + ((88 × ((8 × 8) + 88)) + (8 × 8))
 := ((9 + 9)/9) + ((9 + 9) × (((9 × (9 × 9)) + 9) + 9))

► 13444 := 1 + (1 + (11 × (1 + (11 × 111))))
 := 2 × (((2 × (2 × (22 – 2))) + 2)²) – 2
 := (3/3 + 3) × ((3333 + 3³) + 3/3)
 := 4 + ((4 + 4) × ((44 × 44) – 4⁴))
 := 5 + (((5 × 5) – 5/5) × (555 + 5)) – 5/5
 := (((666 – 6)/6) + 6)^{(6+6)/6} – (6 + 6)
 := (((7 + 7)/7)⁷⁺⁷) + ((77 – 7) × (7 – (7 × 7)))
 := 8 + (((88 + 8)/8) × ((8888/8) + 8)) + 8
 := ((9 + 9) × (((9 × (9 × 9)) + 9) + 9)) – ((9 + 9)/9)

► 13449 := 1 + ((1 + 1) × ((1 + ((11 – 1 – 1)¹⁺¹))¹⁺¹))
 := 2/2 + (2 × (((2 × (2 × (22 – 2))) + 2)²))
 := 3 + (3 × (3 × ((3 + 3) × (((3 + 3)³) + 33))))
 := 4 + (((44/4)⁴) – (4 × (44 + 4⁴))) + 4
 := ((5 + 5) × ((5 × (5 × 55 – 5)) – 5)) – 5/5
 := 6 + ((6 + 6) × (6666/6)) + 666/6
 := (((77/7) + (7 × (7 + 7))) + 7)^{(7+7)/7} – 7
 := 8 + (((88 × ((8 × 8) + 88)) + (8 × 8)) + 8/8)
 := 9 + (((99 + 9)/9) × (9999/9 + 9))

► 13445 := 1 + (1 + (1 + (11 × (1 + (11 × 111))))
 := 2/2 + (2 × (((2 × (2 × (22 – 2))) + 2)²) – 2)
 := (3 × (3 × ((3 + 3) × (((3 + 3)³) + 33)))) – 3/3
 := 4 + (((44/4)⁴) – (4 × (44 + 4⁴)))
 := 5 + (((5 × 5) – 5/5) × (555 + 5))
 := 6 + (((6 + 6)/6)⁶) × (6 × 6 × 6 – 6) – 6/6
 := 7 + (((77/7) × (((7 + 7)/7)⁷) – 7) + 7)
 := 88 + (((88/8) + 8) × ((8 × 88) – 8/8))
 := ((9 + 9) × (((9 × (9 × 9)) + 9) + 9)) – 9/9

► 13450 := (11 – 1) × (1 + ((1 + 11) × (1 + 111)))
 := 2 + (2 × (((2 × (2 × (22 – 2))) + 2)²))
 := ((3³ – 3)³) – ((33/3) × (3/3 + 33))
 := 4 + (((4 – 4/4)⁴) × (((4 – 44)/4) + (4 × 44)))
 := (5 + 5) × ((5 × (5 × 55 – 5)) – 5)
 := (((666 – 6)/6) + 6)^{(6+6)/6} – 6
 := ((77/7) + 7) × ((7 × 77) – 7/7)
 := 8 + (((88 × ((8 × 8) + 88)) + ((8 + 8)/8)) + (8 × 8))
 := ((9 + 9)/9) × (((9/9 + (9 × 9))^{(9+9)/9}) + 9/9)

$$\begin{aligned}
\blacktriangleright 13451 &:= 11 + ((1 + 111) \times ((11^{1+1}) - 1)) \\
&:= 2 + ((2 \times (((2 \times (2 \times (22 - 2))) + 2)^2)) + 2/2) \\
&:= 3 + ((3 - 3/3) \times (((3 \times 3^3) + 3/3)^{3-3/3})) \\
&:= 4^4 + ((44 \times (44 + 4^4)) - (4/4 + 4)) \\
&:= (((555/5) + 5)^{(5+5)/5}) - 5 \\
&:= (66/6) + (((6 + 6)/6)^6) \times (6 \times 6 \times 6 - 6) \\
&:= (77/7) + (((7 + 7)/7)^7) \times (7 \times (7 + 7) + 7) \\
&:= 8 \times 8 + ((88 \times ((8 \times 8) + 88)) + (88/8)) \\
&:= 9 + ((99/9) \times (((99 \times (999/9)) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13452 &:= (1 + 11) \times (11 + (1111 - 1)) \\
&:= 2 \times (((2 \times (2 \times (22 - 2))) + 2)^2) + 2 \\
&:= 333 + ((3 \times ((3 + 3) \times (3^{3+3}))) - 3) \\
&:= 4^4 + ((44 \times (44 + 4^4)) - 4) \\
&:= 5/5 + (((555/5) + 5)^{(5+5)/5}) - 5 \\
&:= (66 \times ((6 \times 6 \times 6) - (6 + 6))) - (6 + 6) \\
&:= (77 - 7/7) \times (((7 + 7)/7)^7) + (7 \times 7) \\
&:= ((88/8) + 8) \times ((8 \times 8/(8 + 8)) + (8 \times 88)) \\
&:= ((99 + 9)/9) \times (((9999 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13453 &:= 11 \times (1 + (1 + (11 \times 111))) \\
&:= 22 + ((222/2) \times ((22/2)^2)) \\
&:= 333 + ((3 - 3/3) \times (((3^{3 \times 3}) - 3)/3)) \\
&:= 4/4 + (((44 \times (44 + 4^4)) - 4) + 4^4) \\
&:= 5 + (((5 + 5) \times ((5 \times (5 \times 55 - 5)) - 5)) - ((5 + 5)/5)) \\
&:= (66 \times ((6 \times 6 \times 6) - (6 + 6))) - (66/6) \\
&:= 7 + (((((7 + 7)/7)^7) \times (7 \times (7 + 7) + 7)) - 7/7) + 7 \\
&:= 88 + ((88 \times ((8 \times 8) + 88)) - 88/8) \\
&:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13454 &:= 1 + (11 \times (1 + (1 + (11 \times 111)))) \\
&:= (((((222 + 2)/2) + 2) + 2)^2) - 2 \\
&:= 3^{3 \times 3} + (333 - (((3^{3 \times 3}) + 3)/3)) \\
&:= 4^4 + ((44 \times (44 + 4^4)) - ((4 + 4)/4)) \\
&:= 5 + (((5 + 5) \times ((5 \times (5 \times 55 - 5)) - 5)) - 5/5) \\
&:= ((6 - 66)/6) + (66 \times ((6 \times 6 \times 6) - (6 + 6))) \\
&:= 7 + (((((7 + 7)/7)^7) \times (7 \times (7 + 7) + 7)) + 7) \\
&:= 88 + ((88 \times ((8 \times 8) + 88)) + ((8 - 88)/8)) \\
&:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13455 &:= 1 + (1 + (11 \times (1 + (1 + (11 \times 111)))))) \\
&:= ((((((222 + 2)/2) + 2) + 2)^2) - 2)/2 \\
&:= 333 + (3 \times ((3 + 3) \times (3^{3+3}))) \\
&:= 4^4 + ((44 \times (44 + 4^4)) - 4/4) \\
&:= 5 + ((5 + 5) \times ((5 \times (5 \times 55 - 5)) - 5)) \\
&:= (((666 - 6)/6) + 6)^{(6+6)/6} - 6/6 \\
&:= ((7/7 + 7) + 7) \times ((7 \times (((7 + 7)/7)^7)) + 7/7) \\
&:= ((8 - 8/8) + 8) \times ((888 + 8/8) + 8) \\
&:= 9 + ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13456 &:= (1 + (1 + (1 + (1 + (1 + 111))))))^{1+1} \\
&:= (((((222 + 2)/2) + 2) + 2)^2) \\
&:= (((((333 - 3)/3) + 3) + 3)^{3-3/3}) \\
&:= 4^4 + (44 \times (44 + 4^4)) \\
&:= ((555/5) + 5)^{(5+5)/5} \\
&:= (((666 - 6)/6) + 6)^{(6+6)/6} \\
&:= (((77/7) + (7 \times (7 + 7))) + 7)^{(7+7)/7} \\
&:= 88 + ((88 \times ((8 \times 8) + 88)) - 8) \\
&:= (((99 - 9/9) + 9) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13457 &:= 1 + ((1 + (1 + (1 + (1 + (1 + 111))))))^{1+1} \\
&:= 2/2 + (((((222 + 2)/2) + 2) + 2)^2) \\
&:= 333 + ((3 - 3/3) \times (((3^{3 \times 3}) + 3)/3)) \\
&:= 4/4 + ((44 \times (44 + 4^4)) + 4^4) \\
&:= 5/5 + (((555/5) + 5)^{(5+5)/5}) \\
&:= (66 \times ((6 \times 6 \times 6) - (6 + 6))) - (6/6 + 6) \\
&:= 7 + (((77/7 + 7) + 7) \times ((7 \times 77) - 7/7)) \\
&:= 8/8 + (((88 \times ((8 \times 8) + 88)) - 8) + 88) \\
&:= (99/9) + ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13458 &:= 1 + (1 + ((1 + (1 + (1 + (1 + (1 + 111))))))^{1+1}) \\
&:= 2 + (((((222 + 2)/2) + 2) + 2)^2) \\
&:= ((3^3 - 3)^3) - (333 + 33) \\
&:= 4^4 + ((44 \times (44 + 4^4)) + ((4 + 4)/4)) \\
&:= ((5 + 5)/5) + (((555/5) + 5)^{(5+5)/5}) \\
&:= (66 \times ((6 \times 6 \times 6) - (6 + 6))) - 6 \\
&:= (7 - 7/7) \times (((((7 + 7 + 7)/7)^7) + (7 \times 7)) + 7) \\
&:= 88 + (((88 \times ((8 \times 8) + 88)) - 8) + ((8 + 8)/8)) \\
&:= ((99 + 9)/9) + ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13459 &:= 1 + (1 + (1 + ((1 + (1 + (1 + (1 + 111))))))^{1+1})) \\
&:= 2 + ((((((222 + 2)/2) + 2) + 2)^2) + 2/2) \\
&:= 3 + ((((((333 - 3)/3) + 3) + 3)^{3-3/3}) \\
&:= 4 + (((44 \times (44 + 4^4)) - 4/4) + 4^4) \\
&:= ((5^5 + 5)/(5 + 5)) \times (55 - ((55 + 5)/5)) \\
&:= 6/6 + ((66 \times ((6 \times 6 \times 6) - (6 + 6))) - 6) \\
&:= 7 + ((77 - 7/7) \times (((7 + 7)/7)^7) + (7 \times 7)) \\
&:= 8 \times 8 + (((88/8) + 8) \times ((8 \times 88) + 8/8)) \\
&:= ((99 + 9 + 9)/9) + ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13460 &:= (11 - 1) \times (1 + (1 + ((1 + 11) \times (1 + 111)))) \\
&:= 2 + ((((((222 + 2)/2) + 2) + 2)^2) + 2) \\
&:= ((3^3 - 3)^3) - (((33 \times 33) + 3)/3) \\
&:= 4 + ((44 \times (44 + 4^4)) + 4^4) \\
&:= 5 + (((5 + 5) \times ((5 \times (5 \times 55 - 5)) - 5)) + 5) \\
&:= ((6 + 6)/6) + ((66 \times ((6 \times 6 \times 6) - (6 + 6))) - 6) \\
&:= (77 \times ((7 \times (7 + 7)) + 77)) - ((7/7 + 7) + 7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times 8/(8 + 8)) + (8 \times 88))) \\
&:= (9/9 + 9) \times ((9 \times (9 \times 9)) - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13461 &:= ((1+11) \times (11+1111)) - (1+1+1) \\
&:= 2 + ((((((222+2)/2) + 2) + 2)^2) + 2/2) + 2) \\
&:= ((3^3 - 3)^3) - (33 \times (33/3)) \\
&:= 4 + (((44 \times (44+4^4)) + 4^4) + 4/4) \\
&:= 5 + (((555/5) + 5)^{(5+5)/5}) \\
&:= (66 \times ((6 \times 6 \times 6) - (6+6))) - (6 \times 6/(6+6)) \\
&:= (77 \times ((7 \times (7+7)) + 77)) - (7+7) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) - 88/8) + 88) \\
&:= 9 + (((99+9)/9) \times (((9999+9)/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13462 &:= ((1+11) \times (11+1111)) - (1+1) \\
&:= ((2+2+2) \times (2222+22)) - 2 \\
&:= ((3^3 - 3)^3) + ((3 - (33 \times 33))/3) \\
&:= ((4^4 - 44)/4) \times (4^4 - (4+4)/4) \\
&:= 5 + (((555/5) + 5)^{(5+5)/5}) + 5/5) \\
&:= 6 + (((666 - 6)/6) + 6)^{(6+6)/6} \\
&:= 7/7 + (((77 \times ((7 \times (7+7)) + 77)) - (7+7)) \\
&:= 88 + ((88 \times ((8 \times 8) + 88)) - ((8+8)/8)) \\
&:= 9 + (((9+9) \times (((9 \times (9 \times 9)) + 9) + 9)) - ((9+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13463 &:= ((1+11) \times (11+1111)) - 1 \\
&:= ((2+2+2) \times (2222+22)) - 2/2 \\
&:= 3 + (((3^3 - 3)^3) - (((33 \times 33) + 3)/3)) \\
&:= ((4 - 4/4) \times (4444+44)) - 4/4 \\
&:= (55 \times ((5 \times 5 \times (5+5)) - 5)) - ((55+5)/5) \\
&:= (66 \times ((6 \times 6 \times 6) - (6+6))) - 6/6 \\
&:= 7 + (((77/7) + (7 \times (7+7))) + 7)^{(7+7)/7} \\
&:= 88 + ((88 \times ((8 \times 8) + 88)) - 8/8) \\
&:= 9 + (((9+9) \times (((9 \times (9 \times 9)) + 9) + 9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13464 &:= (1+11) \times (11+1111) \\
&:= (2+2+2) \times (2222+22) \\
&:= 33 \times ((3^3 \times (3 \times 3 + 3 + 3)) + 3) \\
&:= (4 - 4/4) \times (4444+44) \\
&:= ((5 \times 5) - 5/5) \times ((555+5/5) + 5) \\
&:= 66 \times ((6 \times 6 \times 6) - (6+6)) \\
&:= (77 \times ((7 \times (7+7)) + 77)) - (77/7) \\
&:= 88 + (88 \times ((8 \times 8) + 88)) \\
&:= 9 + (((9+9) \times (((9 \times (9 \times 9)) + 9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13465 &:= 1 + ((1+11) \times (11+1111)) \\
&:= 2/2 + ((2+2+2) \times (2222+22)) \\
&:= 3 + (((3 - (33 \times 33))/3) + ((3^3 - 3)^3)) \\
&:= 4/4 + ((4 - 4/4) \times (4444+44)) \\
&:= (55 \times ((5 \times 5 \times (5+5)) - 5)) - (5+5) \\
&:= 6/6 + (66 \times ((6 \times 6 \times 6) - (6+6))) \\
&:= (7 \times 7 \times 7) + ((7 - 7/7) \times (((7+7+7)/7)^7)) \\
&:= 8/8 + ((88 \times ((8 \times 8) + 88)) + 88) \\
&:= 9 + (((99 - 9/9) + 9) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13466 &:= 1 + (1 + ((1+11) \times (11+1111))) \\
&:= 2 + ((2+2+2) \times (2222+22)) \\
&:= (3 \times (((3/3+3)^3) + 3)^{3-3/3}) - 3/3 \\
&:= 4 + (((4^4 - 44)/4) \times (4^4 - (4+4)/4)) \\
&:= 5 + (((555/5) + 5)^{(5+5)/5}) + 5) \\
&:= ((6+6)/6) + (66 \times ((6 \times 6 \times 6) - (6+6))) \\
&:= (77 \times ((7 \times (7+7)) + 77)) - ((7+7)/7+7) \\
&:= 88 + ((88 \times ((8 \times 8) + 88)) + ((8+8)/8)) \\
&:= 9 + (((9+9) \times (((9 \times (9 \times 9)) + 9) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13467 &:= 1 + (1 + (1 + ((1+11) \times (11+1111)))) \\
&:= (((22/2)^2) - (2+2))^2 - 222 \\
&:= 3 \times (((3/3+3)^3) + 3)^{3-3/3} \\
&:= 4^4 + ((44 \times (44+4^4)) + 44/4) \\
&:= (55/5) + (((555/5) + 5)^{(5+5)/5}) \\
&:= (6 \times 6/(6+6)) + (66 \times ((6 \times 6 \times 6) - (6+6))) \\
&:= (77 \times ((7 \times (7+7)) + 77)) - (7/7+7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times 88) + 8/8)) + (8 \times 8) \\
&:= 9 + (((9+9) \times (((9 \times (9 \times 9)) + 9) + 9)) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13468 &:= (1+1+11) \times (1 + (11 + ((1+1)^{11-1}))) \\
&:= (2^{2+2} - 2) \times ((2 \times (22^2 - 2)) - 2) \\
&:= 3/3 + (3 \times (((3/3+3)^3) + 3)^{3-3/3}) \\
&:= ((44+4) + 4) \times ((4^4 - 4/4) + 4) \\
&:= (55 \times ((5 \times 5 \times (5+5)) - 5)) - (((5+5)/5) + 5) \\
&:= 6 + (((666 - 6)/6) + 6)^{(6+6)/6} + 6) \\
&:= (77 \times ((7 \times (7+7)) + 77)) - 7 \\
&:= 888888/(((8+8)/8) + (8 \times 8)) \\
&:= ((9+9)/9) \times ((9 \times (((9 \times (9 \times 9)) + 9) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13469 &:= 1 + ((1+1+11) \times (1 + (11 + ((1+1)^{11-1})))) \\
&:= 2 + (((22/2)^2) - (2+2))^2 - 222 \\
&:= 3 + ((3 \times (((3/3+3)^3) + 3)^{3-3/3}) - 3/3) \\
&:= 4/4 + (((44+4) + 4) \times ((4^4 - 4/4) + 4)) \\
&:= (55 \times ((5 \times 5 \times (5+5)) - 5)) - (5/5+5) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - (6+6))) - 6/6) \\
&:= 7/7 + ((77 \times ((7 \times (7+7)) + 77)) - 7) \\
&:= (((8 - 8/8) + 8) \times (888 + (88/8))) - (8+8) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13470 &:= (1+1) \times (11 + ((1 + ((11 - 1 - 1)^{1+1}))^{1+1})) \\
&:= 22 + (2 \times (((2 \times (2 \times (22 - 2))) + 2)^2)) \\
&:= 3 + (3 \times (((3/3+3)^3) + 3)^{3-3/3}) \\
&:= 4 + (((4^4 - 44)/4) \times (4^4 - (4+4)/4)) + 4) \\
&:= (55 \times ((5 \times 5 \times (5+5)) - 5)) - 5 \\
&:= 6 + (66 \times ((6 \times 6 \times 6) - (6+6))) \\
&:= ((7+7)/7) + ((77 \times ((7 \times (7+7)) + 77)) - 7) \\
&:= ((8 - 8/8) + 8) \times ((888 + ((8+8)/8)) + 8) \\
&:= (9/9+9) \times ((9 \times (9 \times (9+9))) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13471 &:= 1 + ((1 + 1) \times (11 + ((1 + ((11 - 1 - 1)^{1+1}))^{1+1}))) \\
&:= (222/2)^2 + ((2 \times ((22 + 2)^2)) - 2) \\
&:= 3 + ((3 \times (((3/3 + 3)^3) + 3)^{3-3/3}) + 3/3) \\
&:= ((4 + 4)^4) + (((44/4) + 4) \times ((4/4 + 4)^4)) \\
&:= 5/5 + ((55 \times ((5 \times 5 \times (5 + 5)) - 5)) - 5) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - (6 + 6))) + 6/6) \\
&:= 7 + ((77 \times ((7 \times (7 + 7)) + 77)) - (77/7)) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) - 8/8) + 88) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13472 &:= 11 + (((1 + 11) \times (11 + 1111)) - (1 + 1 + 1)) \\
&:= 2 + ((2 \times (((2 \times (2 \times (22 - 2))) + 2)^2)) + 22) \\
&:= ((3^3 - 3)^3) + ((33/3) \times (3/3 - 33)) \\
&:= (4 + 4) \times (((44 \times 44) - 4^4) + 4) \\
&:= (5 - 5/5) \times (((5 - (5 + 5)/5)^5) + 5^5) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - (6 + 6))) + ((6 + 6)/6)) \\
&:= (77 \times ((7 \times (7 + 7)) + 77)) - ((7 + 7 + 7)/7) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) + 88) \\
&:= (((9 + 9)/9)^9) + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13473 &:= 11 + (((1 + 11) \times (11 + 1111)) - (1 + 1)) \\
&:= (222/2)^2 + (2 \times ((22 + 2)^2)) \\
&:= 3 \times (((3 + 3) \times ((3^3 + 3) + 3)) + (3 \times 33)) \\
&:= 4/4 + ((4 + 4) \times (((44 \times 44) - 4^4) + 4)) \\
&:= (55 \times ((5 \times 5 \times (5 + 5)) - 5)) - ((5 + 5)/5) \\
&:= (((666/6) + 6)^{(6+6)/6}) - (6 \times 6 \times 6) \\
&:= (77 \times ((7 \times (7 + 7)) + 77)) - ((7 + 7)/7) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) + 88) + 8/8) \\
&:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13474 &:= 11 + (((1 + 11) \times (11 + 1111)) - 1) \\
&:= 22 + (2 \times (((2 \times (2 \times (22 - 2))) + 2)^2) + 2) \\
&:= 3/3 + (((3 + 3) \times ((3 \times (3^3 + 3)) + 3)) + 333) \\
&:= ((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + (4 \times 44)) \\
&:= (55 \times ((5 \times 5 \times (5 + 5)) - 5)) - 5/5 \\
&:= ((66 - 6)/6) + (66 \times ((6 \times 6 \times 6) - (6 + 6))) \\
&:= (77 \times ((7 \times (7 + 7)) + 77)) - 7/7 \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) + ((8 + 8)/8)) + 88) \\
&:= 9 + (((99 - 9/9) + 9) + 9)^{(9+9)/9} + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13475 &:= 11 + ((1 + 11) \times (11 + 1111)) \\
&:= (22/2) \times (((22/2) + 22) + 2)^2 \\
&:= (33/3) \times (((33 - 3/3) + 3)^{3-3/3}) \\
&:= ((44/4) + 44) \times (4^4 - 44/4) \\
&:= 55 \times ((5 \times 5 \times (5 + 5)) - 5) \\
&:= (66/6) + (66 \times ((6 \times 6 \times 6) - (6 + 6))) \\
&:= 77 \times ((7 \times (7 + 7)) + 77) \\
&:= 88 + ((88 \times ((8 \times 8) + 88)) + (88/8)) \\
&:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)) + (99/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13476 &:= (1 + 11) \times (1 + 11 + 1111) \\
&:= (2 + 2 + 2) \times ((2222 + 22) + 2) \\
&:= 3 \times (((((3/3 + 3)^3) + 3)^{3-3/3}) + 3) \\
&:= ((4^4 + 4) \times ((44 + 4) + 4)) - 44 \\
&:= 5/5 + (55 \times ((5 \times 5 \times (5 + 5)) - 5)) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - (6 + 6))) + 6) \\
&:= 7/7 + (77 \times ((7 \times (7 + 7)) + 77)) \\
&:= 8 + (888888/(((8 + 8)/8) + (8 \times 8))) \\
&:= 9 \times 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13477 &:= 1 + ((1 + 11) \times (1 + 11 + 1111)) \\
&:= 2 + ((22/2) \times (((22/2) + 22) + 2)^2) \\
&:= ((3^3 - 3)^3) - ((333 + (33/3)) + 3) \\
&:= 4/4 + (((4^4 + 4) \times ((44 + 4) + 4)) - 44) \\
&:= ((5 + 5)/5) + (55 \times ((5 \times 5 \times (5 + 5)) - 5)) \\
&:= 6 + (((66 \times ((6 \times 6 \times 6) - (6 + 6))) + 6/6) + 6) \\
&:= ((7 + 7)/7) + (77 \times ((7 \times (7 + 7)) + 77)) \\
&:= (((8 - 8/8) + 8) \times (888 + (88/8))) - 8 \\
&:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)) + (99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13478 &:= 1 + (1 + ((1 + 11) \times (1 + 11 + 1111))) \\
&:= 22 + (((((222 + 2)/2) + 2) + 2)^2) \\
&:= ((3^3 - 3)^3) - (((3/3 + 3 + 3)^3) + 3) \\
&:= 4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + (4 \times 44))) \\
&:= 5 + ((55 \times ((5 \times 5 \times (5 + 5)) - 5)) - ((5 + 5)/5)) \\
&:= 6 + (((66 \times ((6 \times 6 \times 6) - (6 + 6))) + ((6 + 6)/6)) + 6) \\
&:= ((7 + 7 + 7)/7) + (77 \times ((7 \times (7 + 7)) + 77)) \\
&:= 8 + (((8 - 8/8) + 8) \times ((888 + ((8 + 8)/8)) + 8)) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13479 &:= 1 + (1 + (1 + ((1 + 11) \times (1 + 11 + 1111)))) \\
&:= ((2 - 22) \times (2 - ((22 + 2 + 2)^2))) - 2/2 \\
&:= ((3^3 - 3)^3) - ((333 + 3 \times 3) + 3) \\
&:= 4 + (((44/4) + 44) \times (4^4 - 44/4)) \\
&:= 5 + ((55 \times ((5 \times 5 \times (5 + 5)) - 5)) - 5/5) \\
&:= 6 + (((666/6) + 6)^{(6+6)/6}) - (6 \times 6 \times 6) \\
&:= (77/7) + ((77 \times ((7 \times (7 + 7)) + 77)) - 7) \\
&:= (888/8) + ((88 \times ((8 \times 8) + 88)) - 8) \\
&:= 9 + ((9/9 + 9) \times ((9 \times (9 \times (9 + 9))) - (999/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13480 &:= 1 + (1 + (1 + (1 + ((1 + 11) \times (1 + 11 + 1111)))))) \\
&:= (2 - 22) \times (2 - ((22 + 2 + 2)^2)) \\
&:= ((3^3 - 3)^3) - (333 + (33/3)) \\
&:= (44 - 4) \times (((4 - 4/4)^4) + 4^4) \\
&:= 5 + (55 \times ((5 \times 5 \times (5 + 5)) - 5)) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - (6 + 6))) + ((66 - 6)/6)) \\
&:= 7 + ((77 \times ((7 \times (7 + 7)) + 77)) - ((7 + 7)/7)) \\
&:= 8 + (((88 \times ((8 \times 8) + 88)) + 88) + 8) \\
&:= (99/9 + 9) \times (((9 + 9)/9)^9) + (9 \times (9 + 9))
\end{aligned}$$

► **13481** := (1 + 1 + 11) × (1 + (1 + (11 + ((1 + 1)¹¹⁻¹))))
 := 2/2 + ((2 - 22) × (2 - ((22 + 2 + 2)²)))
 := ((3³ - 3)³) - ((3/3 + 3 + 3)³)
 := 4⁴ + (((444/4) + 4)^{(4+4)/4})
 := 5 + ((55 × ((5 × 5 × (5 + 5)) - 5)) + 5/5)
 := ((66/6) + 6) × ((66 × (6 + 6)) + 6/6)
 := 7 + ((77 × ((7 × (7 + 7)) + 77)) - 7/7)
 := (8/8 + 8 + 8) × (((8 × 88) + 88) + 8/8)
 := 9 + (((9 + 9) × ((9 × (9 × 9)) - 9)) + (((9 + 9)/9)⁹))

► **13486** := 11 × (1 + (1 + (1 + (1 + (1 + (11 × 111))))))
 := 22 + ((2 + 2 + 2) × (2222 + 22))
 := 3/3 + (((3³ - 3)³) - (333 + 3 + 3))
 := 4⁴ × 44 + (4444/((4 + 4)/4))
 := (55/5) + (55 × ((5 × 5 × (5 + 5)) - 5))
 := 6 × 6 + (((((666 - 6)/6) + 6)^{(6+6)/6}) - 6)
 := (77/7) + (77 × ((7 × (7 + 7)) + 77))
 := ((888 - 8)/8) + (88 × ((8 × 8) + 88))
 := (9 × (9 × (9 × (9 + 9)))) + (((9 × (9 × (9 × 9))) - 9)/(9 + 9))

► **13482** := 1 + ((1 + 1 + 11) × (1 + (1 + (11 + ((1 + 1)¹¹⁻¹))))
 := 2 + ((2 - 22) × (2 - ((22 + 2 + 2)²)))
 := ((3³ - 3)³) - (333 + 3 × 3)
 := ((4⁴ - 4)/4) × (((4 + 4)/4) - 44) + 4⁴
 := 5 + ((55 × ((5 × 5 × (5 + 5)) - 5)) + ((5 + 5)/5))
 := 6 + (((66 × ((6 × 6 × 6) - (6 + 6))) + 6) + 6)
 := 7 + (77 × ((7 × (7 + 7)) + 77))
 := (8/8 + 8) × (((88 × (8 + 8)) + ((8 + 8)/8)) + 88)
 := (9 + 9) × (((9 × (9 × 9)) + (99/9)) + 9)

► **13487** := 11 + ((1 + 11) × (1 + 11 + 1111))
 := ((22/2)²⁺²) - ((2 × ((22 + 2)²) + 2)
 := ((3³ - 3)³) - ((333 + 3/3) + 3)
 := (4 × 44) + ((4⁴ × ((44 + 4) + 4)) - 4/4)
 := ((55 + 5)/5) + (55 × ((5 × 5 × (5 + 5)) - 5))
 := (6 × (6 × 66)) + (66666/6)
 := ((77 + 7)/7) + (77 × ((7 × (7 + 7)) + 77))
 := (888/8) + (88 × ((8 × 8) + 88))
 := (9 × (9 × (9 × (9 + 9)))) + (((9 × (9 × (9 × 9))) + 9)/(9 + 9))

► **13483** := 1 + (1 + ((1 + 1 + 11) × (1 + (1 + (11 + ((1 + 1)¹¹⁻¹))))))
 := 2 + (((2 - 22) × (2 - ((22 + 2 + 2)²))) + 2/2)
 := 3 + (((3³ - 3)³) - (333 + (33/3)))
 := (4 × (((44/4) + 4)^{4-4/4}) - 4) - 4/4
 := 5 + (((55 × ((5 × 5 × (5 + 5)) - 5)) - ((5 + 5)/5)) + 5)
 := 6 + (((66 × ((6 × 6 × 6) - (6 + 6))) + 6/6) + 6) + 6
 := 7 + ((77 × ((7 × (7 + 7)) + 77)) + 7/7)
 := 88 + (((88/8) + 8) × ((8 × 88) + 8/8))
 := 9/9 + ((9 + 9) × (((9 × (9 × 9)) + (99/9)) + 9))

► **13488** := (1 + 11) × (1 + (1 + 11 + 1111))
 := 2 × (((((2 × (2 × (22 - 2))) + 2)²) - 2) + 22)
 := ((3³ - 3)³) - (333 + 3)
 := 4 × ((4 × ((4 × (4⁴ - 44) - 4)) - 4)
 := ((5 × 5) - 5/5) × ((555 + ((5 + 5)/5)) + 5)
 := (6 + 6) × (((6666 + 6)/6) + 6) + 6
 := 7 + (((77 × ((7 × (7 + 7)) + 77)) - 7/7) + 7)
 := (8 + 8) × ((8 × (88 + 8 + 8)) + (88/8))
 := (9 × (((9 + 9)/9)⁹) + 999) - (999/9)

► **13484** := ((1 + 1) × (11 - 1)) + ((1 + 11) × (11 + 1111))
 := 2 + (((2 - 22) × (2 - ((22 + 2 + 2)²))) + 2)
 := 3 + (((3³ - 3)³) - ((3/3 + 3 + 3)³)
 := 4 × (((44/4) + 4)^{4-4/4}) - 4
 := 5 + (((55 × ((5 × 5 × (5 + 5)) - 5)) - 5/5) + 5)
 := 6 + (((66 × ((6 × 6 × 6) - (6 + 6))) + ((6 + 6)/6)) + 6) + 6
 := 7 + ((77 × ((7 × (7 + 7)) + 77)) + (7 + 7)/7)
 := (((8 - 8/8) + 8) × (888 + (88/8))) - 8/8
 := ((9 + 9)/9) + ((9 + 9) × (((9 × (9 × 9)) + (99/9)) + 9))

► **13489** := 1 + ((1 + 11) × (1 + (1 + 11 + 1111)))
 := ((22/2)²⁺²) - (2 × ((22 + 2)²)
 := 3/3 + (((3³ - 3)³) - (333 + 3))
 := ((44/4)⁴) - (4 × ((4 × (4 + 4)) + 4⁴)
 := (5 × ((5 + 5) × (5 × 55 - 5))) - (55/5)
 := 6 × 6 + ((66 × ((6 × 6 × 6) - (6 + 6))) - (66/6))
 := 7 + ((77 × ((7 × (7 + 7)) + 77)) + 7)
 := 8 + ((8/8 + 8 + 8) × (((8 × 88) + 88) + 8/8))
 := 9 + ((99/9 + 9) × (((9 + 9)/9)⁹) + (9 × (9 + 9)))

► **13485** := (11 × (1 + (1 + (1 + (1 + (1 + (11 × 111)))))) - 1
 := ((22/2)²⁺²) - (2 × ((22 + 2)²) + 2)
 := ((3³ - 3)³) - (333 + 3 + 3)
 := 4 + (((444/4) + 4)^{(4+4)/4}) + 4⁴
 := 5 + ((55 × ((5 × 5 × (5 + 5)) - 5)) + 5)
 := (6 × 6/(6 + 6)) × (((66 + 6/6)^{(6+6)/6}) + 6)
 := ((77 - 7)/7) + (77 × ((7 × (7 + 7)) + 77))
 := ((8 - 8/8) + 8) × (888 + (88/8))
 := (9 × (9 × (9 × (9 + 9)))) + ((99 × 99)/(9 + 9 + 9))

► **13490** := 1 + (1 + ((1 + 11) × (1 + (1 + 11 + 1111))))
 := (2 × (((2 × (2 × (22 - 2))) + 2)²) + 22) - 2
 := ((3³ - 3)³) - (333 + 3/3)
 := 4 + ((4444/((4 + 4)/4)) + (4⁴ × 44))
 := (5 + 5) × ((5 × (5 × 55 - 5)) - 5/5)
 := (((6 + 6)/6) + (6 × 6)) × (((6 × (66 - 6)) - 6) + 6/6)
 := 7 + (((77 × ((7 × (7 + 7)) + 77)) + 7/7) + 7)
 := ((88/8) + 8) × (((8 × 88) - ((8 + 8)/8)) + 8)
 := ((9/9 + 9) + 9) × ((9 × (9 × 9)) - ((9/9 + 9) + 9))

$$\begin{aligned}
\blacktriangleright 13491 &:= ((11 \times (11 \times (1 + ((1 + 1) \times 111)))) - 1)/(1 + 1) \\
&:= 2 + (((22/2)^{2+2}) - (2 \times ((22 + 2)^2))) \\
&:= ((3^3 - 3)^3) - 333 \\
&:= 4 + (((4^4 \times ((44 + 4) + 4)) - 4/4) + (4 \times 44)) \\
&:= 5 + ((55 \times ((5 \times 5 \times (5 + 5)) - 5)) + (55/5)) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - ((6 \times 6/(6 + 6))^6) \\
&:= 7 + (((77 \times ((7 \times (7 + 7)) + 77)) + ((7 + 7)/7)) + 7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times 88) + 8/8)) + 88 \\
&:= 9 + ((9 + 9) \times (((9 \times (9 \times 9)) + (99/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13492 &:= (1 + (11 \times (11 \times (1 + ((1 + 1) \times 111)))))/(1 + 1) \\
&:= 2 \times (((2 \times (2 \times (22 - 2))) + 2)^2) + 22 \\
&:= 3/3 + (((3^3 - 3)^3) - 333) \\
&:= 4 + ((4^4 \times ((44 + 4) + 4)) + (4 \times 44)) \\
&:= (5 - 5/5) \times (((5 - (5 + 5)/5)^5) + 5^5) + 5 \\
&:= 6 \times 6 + (((666 - 6)/6) + 6)^{(6+6)/6} \\
&:= 7 + ((77 \times ((7 \times (7 + 7)) + 77)) + ((77 - 7)/7)) \\
&:= 8 \times 8 + (((88 + 8)/8) \times ((8888/8) + 8)) \\
&:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + (99/9)) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13493 &:= 1 + ((1 + (11 \times (11 \times (1 + ((1 + 1) \times 111)))))/(1 + 1)) \\
&:= ((22/2)^{2+2}) + (2 \times (2 - ((22 + 2)^2))) \\
&:= 3 + (((3^3 - 3)^3) - (333 + 3/3)) \\
&:= 4 + ((44 \times (4^4 - 4)) + (((4 - 4/4) + 4)^4)) \\
&:= (5 \times ((5 + 5) \times (5 \times 55 - 5))) - (((5 + 5)/5) + 5) \\
&:= 6 + (66666/6 + (6 \times (6 \times 66))) \\
&:= 7 + ((77 \times ((7 \times (7 + 7)) + 77)) + (77/7)) \\
&:= 8 + (((8 - 8/8) + 8) \times (888 + (88/8))) \\
&:= (99/9) + ((9 + 9) \times (((9 \times (9 \times 9)) + (99/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13494 &:= (1 + 1 + 11) \times (1 + (1 + (1 + (11 + ((1 + 1)^{11-1})))))) \\
&:= (2 \times ((2 - 22^2) \times (2 - (2^{2+2})))) - 2 \\
&:= 3 + (((3^3 - 3)^3) - 333) \\
&:= (((4/4 + 4)^4) \times (44/((4 + 4)/4))) - 4^4 \\
&:= (5 \times ((5 + 5) \times (5 \times 55 - 5))) - (5/5 + 5) \\
&:= 6 \times 6 + ((66 \times ((6 \times 6 \times 6) - (6 + 6))) - 6) \\
&:= 7 + ((77 \times ((7 \times (7 + 7)) + 77)) + ((77 + 7)/7)) \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) + ((888 - 8)/8)) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13495 &:= (11 \times (11 \times 111)) + ((1 + 1)^{(1+1) \times (1+1+1)}) \\
&:= (2 \times ((2 - 22^2) \times (2 - (2^{2+2})))) - 2/2 \\
&:= 3 + (((3^3 - 3)^3) - 333) + 3/3 \\
&:= (4 \times (((44/4) + 4)^{4-4/4})) - (4/4 + 4) \\
&:= (5 \times ((5 + 5) \times (5 \times 55 - 5))) - 5 \\
&:= ((6 - 6/6)^6) + ((6 \times ((6 \times (6 - 66)) + 6)) - 6) \\
&:= 7 + (((77 \times ((7 \times (7 + 7)) + 77)) - 7/7) + 7) + 7 \\
&:= 8 + ((88 \times ((8 \times 8) + 88)) + (888/8)) \\
&:= 9999/9 + ((9 \times (9 \times ((9 \times (9 + 9)) - 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13496 &:= ((1 + 111)/(1 + 1)) \times (((1 + 1) \times (11^{1+1})) - 1) \\
&:= 2 \times ((2 - 22^2) \times (2 - (2^{2+2}))) \\
&:= (3/3 + 3) \times (((3 \times 3 + 3 + 3)^3) - 3/3) \\
&:= (4 \times (((44/4) + 4)^{4-4/4})) - 4 \\
&:= 5/5 + ((5 \times ((5 + 5) \times (5 \times 55 - 5))) - 5) \\
&:= 66 + (((6 \times 6) - ((6 + 6)/6)) \times ((6 \times 66) - 6/6)) \\
&:= 7 + (((77 \times ((7 \times (7 + 7)) + 77)) + 7) + 7) \\
&:= 8888 + (8 \times (8 \times ((8 \times 8) + 8))) \\
&:= 9 + (((9 \times (9 \times (9 \times 9))) + 9)/(9 + 9)) + (9 \times (9 \times (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13497 &:= 11 \times ((11 \times 111) + ((1 + 1) \times (1 + 1 + 1))) \\
&:= 2/2 + (2 \times ((2 - 22^2) \times (2 - (2^{2+2})))) \\
&:= 3 + (((3^3 - 3)^3) - 333) + 3 \\
&:= 4/4 + ((4 \times (((44/4) + 4)^{4-4/4})) - 4) \\
&:= ((5 + 5)/5) + ((5 \times ((5 + 5) \times (5 \times 55 - 5))) - 5) \\
&:= (66/6) \times (((66/6) \times (666/6)) + 6) \\
&:= 7 + (((77 \times ((7 \times (7 + 7)) + 77)) + 7/7) + 7) + 7 \\
&:= 8/8 + ((8 \times (8 \times ((8 \times 8) + 8))) + 8888) \\
&:= ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13498 &:= 1 + (11 \times ((11 \times 111) + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 + (2 \times ((2 - 22^2) \times (2 - (2^{2+2})))) \\
&:= ((33/3)^3) + ((3^3 - (3/3 + 3)^3)) \\
&:= (4 \times (((44/4) + 4)^{4-4/4})) - ((4 + 4)/4) \\
&:= (5 \times ((5 + 5) \times (5 \times 55 - 5))) - ((5 + 5)/5) \\
&:= ((6 \times 6) - ((6 + 6)/6)) \times ((6 \times 66) + 6/6) \\
&:= (7 \times (7 \times 7 \times 7)) + ((7777/7) - (7 + 7)) \\
&:= 8 + (((88/8) + 8) \times (((8 \times 88) - ((8 + 8)/8)) + 8)) \\
&:= (9 \times (9 \times 9)) + (((999 + 9) + 9)/9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13499 &:= (((11 - 1) \times (1 + 1 + 1))^{1+1+1})/(1 + 1) - 1 \\
&:= 2 + ((2 \times ((2 - 22^2) \times (2 - (2^{2+2})))) + 2/2) \\
&:= ((3/3 + 3) \times ((3 \times 3 + 3 + 3)^3)) - 3/3 \\
&:= (4 \times (((44/4) + 4)^{4-4/4})) - 4/4 \\
&:= (5 \times ((5 + 5) \times (5 \times 55 - 5))) - 5/5 \\
&:= 6 \times 6 + ((66 \times ((6 \times 6 \times 6) - (6 + 6))) - 6/6) \\
&:= 7 \times 7 + (((77/7 + 7) + 7) \times ((7 \times 77) - 7/7)) \\
&:= 8 + (((88/8) + 8) \times ((8 \times 88) + 8/8)) + 88 + 8 \\
&:= 9 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - ((9/9 + 9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13500 &:= (((11 - 1) \times (1 + 1 + 1))^{1+1+1})/(1 + 1) \\
&:= 2 \times (((2 - 22^2) \times (2 - (2^{2+2})))) + 2 \\
&:= (3/3 + 3) \times ((3 \times 3 + 3 + 3)^3) \\
&:= 4 \times (((44/4) + 4)^{4-4/4}) \\
&:= 5 \times ((5 + 5) \times (5 \times 55 - 5)) \\
&:= 6 \times ((66 \times ((6 \times 6) - ((6 + 6)/6))) + 6) \\
&:= ((77/7 + 7) + 7) \times ((7 \times 77) + 7/7) \\
&:= ((8 - 8/8) + 8) \times (((88 + 8)/8) + 888) \\
&:= (9 + 9) \times (((99 + 9)/9) + (9 \times (9 \times 9))) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13501 &:= 1 + (((11-1) \times (1+1+1))^{1+1+1}) / (1+1) \\
&:= (22+2/2) \times (((22+2)^2) + (22/2)) \\
&:= 3/3 + ((3/3+3) \times ((3 \times 3+3+3)^3)) \\
&:= 4/4 + (4 \times (((44/4) + 4)^{4-4/4})) \\
&:= 5/5 + (5 \times ((5+5) \times (5 \times 55-5))) \\
&:= ((6-6/6)^6) + (6 \times ((6 \times (6-66)) + 6)) \\
&:= 7/7 + (((77/7+7) + 7) \times ((7 \times 77) + 7/7)) \\
&:= (((88/8) + 8) \times (((8 \times 88) - 8/8) + 8)) - 8 \\
&:= (9 \times ((9 \times (9 \times (9+9))) + 99)) - ((9+9)/9)^9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13502 &:= 1 + (1 + (((11-1) \times (1+1+1))^{1+1+1}) / (1+1)) \\
&:= 2 + (2 \times (((2-22^2) \times (2 - (2^{2+2}))) + 2)) \\
&:= (33/3) + (((3^3-3)^3) - 333) \\
&:= ((4+4)/4) + (4 \times (((44/4) + 4)^{4-4/4})) \\
&:= ((5+5)/5) + (5 \times ((5+5) \times (5 \times 55-5))) \\
&:= 6 \times 6 + ((66 \times ((6 \times 6 \times 6) - (6+6))) + ((6+6)/6)) \\
&:= 7 + (((((77 \times ((7 \times (7+7)) + 77)) - 7/7) + 7) + 7) + 7) \\
&:= ((8+8) \times 888) - (((8+8)/8) + (8 \times 88)) \\
&:= 9 + (((9+9) \times (((9 \times (9 \times 9)) + (99/9)) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13503 &:= 1 + (1 + (1 + (((11-1) \times (1+1+1))^{1+1+1}) / (1+1))) \\
&:= 2 + ((22+2/2) \times (((22+2)^2) + (22/2))) \\
&:= 3 + ((3/3+3) \times ((3 \times 3+3+3)^3)) \\
&:= (4 \times (4 \times ((4 \times (4^4-44) - 4))) - 4/4) \\
&:= 5 + ((5 \times ((5+5) \times (5 \times 55-5))) - ((5+5)/5)) \\
&:= 6 + ((66/6) \times (((66/6) \times (666/6)) + 6)) \\
&:= 7 + (((77 \times ((7 \times (7+7)) + 77)) + 7) + 7) + 7 \\
&:= ((8+8) \times 888) - ((8 \times 88) + 8/8) \\
&:= ((9999-9)/9) + (9 \times (9 \times ((9 \times (9+9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13504 &:= (1+1) \times ((1+1) \times (1 + (((1+1+1+11))^{1+1+1}))) \\
&:= 2 \times ((2^{2+2}) \times (((22-2)^2) + 22)) \\
&:= (3/3+3) \times (((3 \times 3+3+3)^3) + 3/3) \\
&:= 4 \times (4 \times ((4 \times (4^4-44) - 4))) \\
&:= 5 + ((5 \times ((5+5) \times (5 \times 55-5))) - 5/5) \\
&:= (((6+6)/6)^6) \times ((6 \times 6 \times 6-6) + 6/6) \\
&:= (7/7+7) \times (((7 \times 7) - (7/7+7))^{(7+7)/7}) + 7 \\
&:= ((8+8) \times 888) - (8 \times 88) \\
&:= 9999/9 + (9 \times (9 \times ((9 \times (9+9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13505 &:= (111 \times (1 + (11^{1+1}))) - (111/(1+1+1)) \\
&:= 2/2 + (2 \times ((2^{2+2}) \times (((22-2)^2) + 22))) \\
&:= 3 + (((3^3-3)^3) - 333) + (33/3) \\
&:= 4/4 + (4 \times (4 \times ((4 \times (4^4-44) - 4))) \\
&:= 5 + (5 \times ((5+5) \times (5 \times 55-5))) \\
&:= ((6 \times 6) + 6/6) \times (((6 \times (66-6)) - 6/6) + 6) \\
&:= (7 \times (7 \times 7 \times 7)) + (((7777/7) - 7) \\
&:= 8/8 + (((8+8) \times 888) - (8 \times 88)) \\
&:= ((9999+9)/9) + (9 \times (9 \times ((9 \times (9+9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13506 &:= (1111 \times (1+1+1+11)) - ((1+1)^{11}) \\
&:= 2 + (2 \times ((2^{2+2}) \times (((22-2)^2) + 22))) \\
&:= 3 + (((3/3+3) \times ((3 \times 3+3+3)^3)) + 3) \\
&:= ((4+4)/4) + (4 \times (4 \times ((4 \times (4^4-44) - 4))) \\
&:= 5 + ((5 \times ((5+5) \times (5 \times 55-5))) + 5/5) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - (6+6))) + (6 \times 6)) \\
&:= (((7+7+7)/7)^7) + (7 \times (77 \times (7+7+7))) \\
&:= ((8+8)/8) + (((8+8) \times 888) - (8 \times 88)) \\
&:= ((9+9)/9) \times ((9 \times (9 \times (9 \times 9)) + 9)) + (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13507 &:= (11 \times ((11 \times (1+111)) - (1+1+1+1))) - 1 \\
&:= (22/2) + (2 \times ((2-22^2) \times (2 - (2^{2+2})))) \\
&:= 3 + ((3/3+3) \times (((3 \times 3+3+3)^3) + 3/3)) \\
&:= 4 + ((4 \times (4 \times ((4 \times (4^4-44) - 4))) - 4/4) \\
&:= (((5+5)/5) + 5)^5 - (55 \times (55+5)) \\
&:= 6 + ((6 \times ((6 \times (6-66)) + 6)) + ((6-6/6)^6)) \\
&:= 7 + (((77/7+7) + 7) \times ((7 \times 77) + 7/7)) \\
&:= 88/8 + ((8 \times (8 \times ((8 \times 8) + 8))) + 8888) \\
&:= (((9/9+9) + 9) \times ((9 \times (9 \times 9)) - (9+9))) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13508 &:= 11 \times ((11 \times (1+111)) - (1+1+1+1)) \\
&:= 2 \times ((22^2 \times (2^{2+2} - 2)) - 22) \\
&:= 3^3 + (((3^3-3)^3) - ((3/3+3+3)^3)) \\
&:= 4 + (4 \times (4 \times ((4 \times (4^4-44) - 4))) \\
&:= ((55+55)/5) \times ((5^5-55)/5) \\
&:= (66/6) \times (((66 \times (666/6)) + 6)/6) + 6 \\
&:= 77 + (((777/7) \times (((7+7)/7)^7) - 7) \\
&:= 8 + (((8-8/8) + 8) \times (((88+8)/8) + 888)) \\
&:= (((9/9+9) + 9) \times ((9 \times (9 \times 9)) - (9+9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13509 &:= 1 + (11 \times ((11 \times (1+111)) - (1+1+1+1))) \\
&:= ((22-2) \times ((22+2+2)^2)) - (22/2) \\
&:= 3 \times (((33+3) \times (((3-3/3) + 3)^3)) + 3) \\
&:= ((4^4+4) \times ((44+4) + 4)) - (44/4) \\
&:= 5 + (((5 \times ((5+5) \times (5 \times 55-5))) - 5/5) + 5) \\
&:= (6 \times (6-6 \times 6)) + (((666/6) + 6)^{(6+6)/6}) \\
&:= (((7+7)/7) + 77) \times (((7 \times (7 \times 7 \times 7)) - 7)/(7+7)) \\
&:= ((88/8) + 8) \times (((8 \times 88) - 8/8) + 8) \\
&:= ((9/9+9) + 9) \times ((9 \times (9 \times 9)) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13510 &:= (11-1) \times ((11^{1+1+1}) + ((1+1) \times (11-1))) \\
&:= 2 + (2 \times ((22^2 \times (2^{2+2} - 2)) - 22)) \\
&:= 3 + (((3/3+3) \times (((3 \times 3+3+3)^3) + 3/3)) + 3) \\
&:= ((4-44)/4) + ((4^4+4) \times ((44+4) + 4)) \\
&:= 5 + ((5 \times ((5+5) \times (5 \times 55-5))) + 5) \\
&:= 6 + (((6+6)/6)^6) \times ((6 \times 6 \times 6-6) + 6/6) \\
&:= 7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - (((7+7)/7)^7)) \\
&:= 8 + (((8+8) \times 888) - (((8+8)/8) + (8 \times 88))) \\
&:= 9/9 + (((9/9+9) + 9) \times ((9 \times (9 \times 9)) - (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13511 &:= 11 + (((11-1) \times (1+1+1))^{1+1+1}) / (1+1) \\
&:= 2 + (((22-2) \times ((22+2+2)^2)) - (22/2)) \\
&:= (33/3) + ((3/3+3) \times ((3 \times 3+3+3)^3)) \\
&:= ((4^4-4/4) \times ((4^4-44)/4)) - 4 \\
&:= 55 + (((555/5) + 5)^{(5+5)/5}) \\
&:= 6 + (((6 \times 6) + 6/6) \times (((6 \times (66-6)) - 6/6) + 6)) \\
&:= 7/7 + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - (((7+7)/7)^7))) \\
&:= 8 + (((8+8) \times 888) - ((8 \times 88) + 8/8)) \\
&:= ((9+9)/9) + (((9/9+9) + 9) \times ((9 \times (9 \times 9)) - (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13512 &:= (1+11) \times (1 + (1 + (1 + (1 + 11 + 1111)))) \\
&:= (2 \times 22^2) + (((222+2)/2)^2) \\
&:= (3/3+3) \times (((3 \times 3+3+3)^3) + 3) \\
&:= ((4^4+4) \times ((44+4) + 4)) - (4+4) \\
&:= 5 + (((((5+5)/5) + 5)^5) - (55 \times (55+5))) \\
&:= 6 + (((66 \times ((6 \times 6 \times 6) - (6+6))) + (6 \times 6)) + 6) \\
&:= (7 \times (7 \times 7 \times 7)) + (77777/7) \\
&:= 8 + (((8+8) \times 888) - (8 \times 88)) \\
&:= 9 \times 9 + ((99/9) \times ((99/9) \times (999/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13513 &:= 1 + ((1+11) \times (1 + (1 + (1 + (1 + 11 + 1111)))))) \\
&:= 2/2 + (((222+2)/2)^2) + (2 \times 22^2) \\
&:= 3/3 + ((3/3+3) \times (((3 \times 3+3+3)^3) + 3)) \\
&:= 4 + (((4^4+4) \times ((44+4) + 4)) - 44/4) \\
&:= 5 + (((55+55)/5) \times ((5^5-55)/5)) \\
&:= 6 + (((6 \times ((6 \times (6-66)) + 6)) + ((6-6/6)^6)) + 6) \\
&:= ((77+7) \times ((77+77) + 7)) - (77/7) \\
&:= 8 + (((8+8) \times 888) - (8 \times 88)) + 8/8 \\
&:= 9 + ((9 \times (9 \times ((9 \times (9+9)) - 9))) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13514 &:= (1+1) \times (((1+1) \times (((1+1)^{11}) + (11^{1+1+1}))) - 1) \\
&:= 2 + (((222+2)/2)^2) + (2 \times 22^2) \\
&:= 33 + (((3^3-3)^3) - ((3/3+3+3)^3)) \\
&:= ((44/4)^4) - ((4444/4) + 4 \times 4) \\
&:= (5 \times 5^5) + (((5-5/5)^5) - (5^5+5+5)) \\
&:= (((6+6)/6)^6) - 6 \times (((6 \times 6 \times 6) + (66/6)) + 6) \\
&:= 7 + (((77/7+7) + 7) \times ((7 \times 77) + 7/7)) + 7 \\
&:= 8 + (((8+8) \times 888) - (8 \times 88)) + ((8+8)/8) \\
&:= 9 + (((9999+9)/9) + (9 \times (9 \times ((9 \times (9+9)) - 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13515 &:= ((111 - (1+1)) \times (1 + (1 + (1 + (11^{1+1})))) - 1) \\
&:= (2/2+2+2) \times (((2 \times (22+2+2))^2) - 2/2) \\
&:= 3 + ((3/3+3) \times (((3 \times 3+3+3)^3) + 3)) \\
&:= (4^4-4/4) \times ((4^4-44)/4) \\
&:= 5 + (((5 \times ((5+5) \times (5 \times 55-5))) + 5) + 5) \\
&:= (((66/6) + 6) \times (((6 \times 6/(6+6))^6) + 66)) \\
&:= 7 + (((777/7) \times (((7+7)/7)^7) - 7) + 77) \\
&:= 88/8 + (((8+8) \times 888) - (8 \times 88)) \\
&:= ((9 - ((9+9+9)/9)) + 9) \times (((9 \times 99) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13516 &:= (111 - (1+1)) \times (1 + (1 + (1 + (11^{1+1})))) \\
&:= (222 - 2 - 2) \times ((2^{2+2+2}) - 2) \\
&:= (3/3+3) \times (((3 \times 3+3+3)^3) + 3/3) + 3 \\
&:= ((4^4+4) \times ((44+4) + 4)) - 4 \\
&:= 5 + (((555/5) + 5)^{(5+5)/5}) + 55 \\
&:= 6 + (((((6+6)/6)^6) \times ((6 \times 6 \times 6 - 6) + 6/6)) + 6) \\
&:= ((77+7) \times ((77+77) + 7)) - (7/7+7) \\
&:= 88 + (((88+8)/8) \times ((8888/8) + 8)) \\
&:= 9 \times 9 + (((9+9) \times ((9 \times (9 \times 9)) + 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13517 &:= 1 + ((111 - (1+1)) \times (1 + (1 + (1 + (11^{1+1})))))) \\
&:= ((22-2) \times ((22+2+2)^2)) - (2/2+2) \\
&:= 3^3 + (((3^3-3)^3) - (333+3/3)) \\
&:= 4/4 + (((4^4+4) \times ((44+4) + 4)) - 4) \\
&:= 5 + (((((5+5)/5) + 5)^5) - (55 \times (55+5))) + 5 \\
&:= 6 \times 6 + (((66/6) + 6) \times ((66 \times (6+6)) + 6/6)) \\
&:= ((77+7) \times ((77+77) + 7)) - 7 \\
&:= 8 + (((88/8) + 8) \times (((8 \times 88) - 8/8) + 8)) \\
&:= (9 \times (((9+9)/9)^9) - 9) + 999 - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13518 &:= (11 \times ((11 \times (1+111)) - (1+1+1))) - 1 \\
&:= ((22-2) \times ((22+2+2)^2)) - 2 \\
&:= 3^3 + (((3^3-3)^3) - 333) \\
&:= ((4^4+4) \times ((44+4) + 4)) - ((4+4)/4) \\
&:= 5 + (((55+55)/5) \times ((5^5-55)/5)) + 5 \\
&:= 6 \times (((6 \times 6/(6+6))^6 + 66) \\
&:= 7/7 + (((77+7) \times ((77+77) + 7)) - 7) \\
&:= ((8-88)/8) + (((88/8) + 8) \times ((8 \times 88) + 8)) \\
&:= 9 \times (((9+9)/9)^9) - 9 + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13519 &:= 11 \times ((11 \times (1+111)) - (1+1+1)) \\
&:= ((22-2) \times ((22+2+2)^2)) - 2/2 \\
&:= 3^3 + (((3^3-3)^3) - 333) + 3/3 \\
&:= ((4^4+4) \times ((44+4) + 4)) - 4/4 \\
&:= (5 \times 5^5) + (((5-5/5)^5) - (5^5+5)) \\
&:= (66/6) \times ((6 \times 6 \times 6 \times 6) - (66+6/6)) \\
&:= 7 + ((77777/7) + (7 \times (7 \times 7 \times 7))) \\
&:= (88/8) \times (((88/8) \times (888/8)) + 8) \\
&:= 9/9 + (9 \times (((9+9)/9)^9) - 9) + 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13520 &:= 1 + (11 \times ((11 \times (1+111)) - (1+1+1))) \\
&:= (22-2) \times ((22+2+2)^2) \\
&:= 3 + (((3^3-3)^3) - (333+3/3)) + 3^3 \\
&:= (4^4+4) \times ((44+4) + 4) \\
&:= ((5 \times 5+5) \times 555) - (5^5+5) \\
&:= (6/6-66) \times (((6+6)/6) - (6 \times 6 \times 6)) + 6 \\
&:= 7 + (((77+7) \times ((77+77) + 7)) - (77/7)) \\
&:= (((88/8) + 8) \times ((8 \times 88) + 8)) - 8 \\
&:= (9/9 - (9 \times 9)) \times ((99/9) - (99 + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13521 &:= 1 + (1 + (11 \times ((11 \times (1 + 111)) - (1 + 1 + 1)))) \\
&:= 2/2 + ((22 - 2) \times ((22 + 2 + 2)^2)) \\
&:= 3 + (((3^3 - 3)^3) - 333) + 3^3 \\
&:= 4/4 + ((4^4 + 4) \times ((44 + 4) + 4)) \\
&:= 5/5 + (((5 \times 5 + 5) \times 555) - (5^5 + 5)) \\
&:= (6 \times (6 \times (6 \times 66))) - (((6 \times 6 / (6 + 6))^6) + 6) \\
&:= ((77 + 7) \times ((77 + 77) + 7)) - ((7 + 7 + 7)/7) \\
&:= 8/8 + (((88/8) + 8) \times ((8 \times 88) + 8)) - 8 \\
&:= 9 \times 9 + (((99 + 9)/9) \times (9999/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13522 &:= (111 \times (1 + (11^{1+1}))) - ((1 + 1) \times (11 - 1)) \\
&:= 2 + ((22 - 2) \times ((22 + 2 + 2)^2)) \\
&:= 3 + (((3^3 - 3)^3) - 333) + 3^3 + 3/3 \\
&:= ((4 + 4)/4) + ((4^4 + 4) \times ((44 + 4) + 4)) \\
&:= (5 \times 5^5) - (((5 + 5)/5)^{55/5}) + 55 \\
&:= 66 + (((666 - 6)/6) + 6)^{(6+6)/6} \\
&:= ((77 + 7) \times ((77 + 77) + 7)) - ((7 + 7)/7) \\
&:= ((8 + 8)/8) + (((88/8) + 8) \times ((8 \times 88) + 8)) - 8 \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + ((99/9 + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13523 &:= 1 + ((111 \times (1 + (11^{1+1}))) - ((1 + 1) \times (11 - 1))) \\
&:= 2 + (((22 - 2) \times ((22 + 2 + 2)^2)) + 2/2) \\
&:= 33 + (((3^3 - 3)^3) - (333 + 3/3)) \\
&:= 4 + (((4^4 + 4) \times ((44 + 4) + 4)) - 4/4) \\
&:= (5 \times 5^5) + (((5 - 5/5)^5) - (5^5 + 5/5)) \\
&:= (6 \times ((6 \times 66) + 6)) + (66666/6) \\
&:= ((77 + 7) \times ((77 + 77) + 7)) - 7/7 \\
&:= 8 + (((8 + 8) \times 888) - (8 \times 88)) + (88/8) \\
&:= 9 \times 9 + ((99/9) \times (((99 \times 999/9) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13524 &:= (1 + 11) \times (1111 + ((1 + 1)^{1+1+1+1})) \\
&:= (2^{2+2} - 2) \times ((2 \times 22^2) - 2) \\
&:= 33 + (((3^3 - 3)^3) - 333) \\
&:= 4 + ((4^4 + 4) \times ((44 + 4) + 4)) \\
&:= (5 \times 5^5) + (((5 - 5/5)^5) - 5^5) \\
&:= (66 \times ((6 \times 6 \times 6) - (66/6))) - 6 \\
&:= (77 + 7) \times ((77 + 77) + 7) \\
&:= ((88 + 8)/8) \times (((8888/8) + 8) + 8) \\
&:= (99 - 9/9) \times (((999/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13525 &:= 1 + ((1 + 11) \times (1111 + ((1 + 1)^{1+1+1+1}))) \\
&:= 2/2 + ((2^{2+2} - 2) \times ((2 \times 22^2) - 2)) \\
&:= 3/3 + (((3^3 - 3)^3) - 333) + 33 \\
&:= 4 + (((4^4 + 4) \times ((44 + 4) + 4)) + 4/4) \\
&:= 5 \times (((5 + 5) \times (5 \times 55 - 5)) + 5) \\
&:= 6/6 + ((66 \times ((6 \times 6 \times 6) - (66/6))) - 6) \\
&:= 7/7 + ((77 + 7) \times ((77 + 77) + 7)) \\
&:= 8 + (((88/8) + 8) \times (((8 \times 88) - 8/8) + 8)) + 8 \\
&:= 9 \times 9 + (((9 + 9) \times (((9 \times 9 \times 9) + 9) + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13526 &:= (11^{1+1+1+1}) - (1 + (1 + (1 + 1 + 1111))) \\
&:= 2 + ((2^{2+2} - 2) \times ((2 \times 22^2) - 2)) \\
&:= ((3^3 - 3)^3) - ((3 \times 3 \times 33) + 3/3) \\
&:= ((44/4)^4) - (4444/4 + 4) \\
&:= 5/5 + (5 \times (((5 + 5) \times (5 \times 55 - 5)) + 5)) \\
&:= 6 + ((6/6 - 66) \times (((6 + 6)/6) - (6 \times 6 \times 6)) + 6) \\
&:= ((7 + 7)/7) + ((77 + 7) \times ((77 + 77) + 7)) \\
&:= (((88/8) + 8) \times ((8 \times 88) + 8)) - ((8 + 8)/8) \\
&:= 9 \times 9 + (((9 + 9) \times (((9 \times 9 \times 9) + 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13527 &:= (11^{1+1+1+1}) - (1 + (1 + 1 + 1111)) \\
&:= ((2/2 + 2)^{2+2}) \times (((22/2) + 2)^2) - 2 \\
&:= ((3^3 - 3)^3) - (3 \times 3 \times 33) \\
&:= 4 + (((4^4 + 4) \times ((44 + 4) + 4)) - 4/4) + 4 \\
&:= ((5 + 5)/5) + (5 \times (((5 + 5) \times (5 \times 55 - 5)) + 5)) \\
&:= (6 \times (6 \times (6 \times 66))) - ((6 \times 6 / (6 + 6))^6) \\
&:= 77 + (((77/7 + 7) + 7) \times ((7 \times 77) - 7/7)) \\
&:= (((88/8) + 8) \times ((8 \times 88) + 8)) - 8/8 \\
&:= 9 \times ((9 + 9) \times (((9 + 9)/9) + (9 \times 9))) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13528 &:= (11^{1+1+1+1}) - (1 + 1 + 1111) \\
&:= 2 + (((2^{2+2} - 2) \times ((2 \times 22^2) - 2)) + 2) \\
&:= 3/3 + (((3^3 - 3)^3) - (3 \times 3 \times 33)) \\
&:= 4 + (((4^4 + 4) \times ((44 + 4) + 4)) + 4) \\
&:= ((5 - 5/5)^5) + ((5 - 5/5) \times (5^5 + 5/5)) \\
&:= (((6 + 6)/6)^6) + (66 \times ((6 \times 6 \times 6) - (6 + 6))) \\
&:= (77/7) + (((77 + 7) \times ((77 + 77) + 7)) - 7) \\
&:= ((88/8) + 8) \times ((8 \times 88) + 8) \\
&:= 9/9 + (((9 + 9) \times (((9 \times 9 \times 9) + 9) + 9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13529 &:= (11^{1+1+1+1}) - (1 + 1111) \\
&:= ((22/2)^{2+2}) - ((2222 + 2)/2) \\
&:= 3 + (((3^3 - 3)^3) - ((3 \times 3 \times 33) + 3/3)) \\
&:= ((44/4)^4) - ((4444 + 4)/4) \\
&:= 5 + (((5 - 5/5)^5) - 5^5) + (5 \times 5^5) \\
&:= (66 \times ((6 \times 6 \times 6) - (66/6))) - 6/6 \\
&:= 7 + (((77 + 7) \times ((77 + 77) + 7)) - ((7 + 7)/7)) \\
&:= 8/8 + (((88/8) + 8) \times ((8 \times 88) + 8)) \\
&:= (((9 + 9)/9) + (9 \times 9)) \times ((9 \times 9 + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13530 &:= 11 \times ((11 \times (1 + 111)) - (1 + 1)) \\
&:= ((222 - 2)/2) \times (((22/2)^2) + 2) \\
&:= 3 + (((3^3 - 3)^3) - (3 \times 3 \times 33)) \\
&:= ((44/4)^4) - (4444/4) \\
&:= 5 + (5 \times (((5 + 5) \times (5 \times 55 - 5)) + 5)) \\
&:= 66 \times ((6 \times 6 \times 6) - (66/6)) \\
&:= 7 + (((77 + 7) \times ((77 + 77) + 7)) - 7/7) \\
&:= ((8 + 8)/8) + (((88/8) + 8) \times ((8 \times 88) + 8)) \\
&:= (99/9) \times (((99/9) \times (999/9) + 9)
\end{aligned}$$

► **13531** := $(111 \times (1 + (11^{1+1}))) - 11$
 := $(22/2) + ((22 - 2) \times ((22 + 2 + 2)^2))$
 := $3 + (((3^3 - 3)^3) - (3 \times 3 \times 33)) + 3/3$
 := $(44/4) + ((4^4 + 4) \times ((44 + 4) + 4))$
 := $5 + ((5 \times ((5 + 5) \times (5 \times 55 - 5)) + 5)) + 5/5$
 := $6/6 + (66 \times ((6 \times 6 \times 6) - (66/6)))$
 := $7 + ((77 + 7) \times ((77 + 77) + 7))$
 := $88/8 + (((88/8) + 8) \times ((8 \times 88) + 8)) - 8$
 := $(9 - ((9 + 9)/9)) \times (((9 + 9) \times (99 + 9)) - (99/9))$

► **13536** := $(1 + 11) \times (((11 - 1) \times (1 + (1 + 111)))) - (1 + 1)$
 := $2 \times (((2 \times (2 \times (22 - 2))) + 2)^2) + 2 \times 22$
 := $((3^3 - 3)^3) + (3 \times (3 - (3 \times 33)))$
 := $4 \times ((4 \times (4 \times (4^4 - 44)) - (4 + 4))$
 := $(55/5) + (5 \times (((5 + 5) \times (5 \times 55 - 5)) + 5))$
 := $6 + (66 \times ((6 \times 6 \times 6) - (66/6)))$
 := $((7 + 7)/7 + 7) \times (((77 \times 77) - 7)/7)$
 := $8 + (((88/8) + 8) \times ((8 \times 88) + 8))$
 := $9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9)) + (9 \times 9)$

► **13532** := $1 + ((111 \times (1 + (11^{1+1}))) - 11)$
 := $((2 \times (2^{2+2})) + 2) \times (((22 - 2)^2) - 2)$
 := $3 + (((3^3 - 3)^3) - ((3 \times 3 \times 33) + 3/3)) + 3$
 := $4 + (((4^4 + 4) \times ((44 + 4) + 4)) + 4) + 4$
 := $((5 + 5)/5)^5 + (5 \times ((5 + 5) \times (5 \times 55 - 5)))$
 := $((6 + 6)/6) + (66 \times ((6 \times 6 \times 6) - (66/6)))$
 := $7 + (((77 + 7) \times ((77 + 77) + 7)) + 7/7)$
 := $8 + (((88 + 8)/8) \times ((8888/8) + 8) + 8)$
 := $(99999/9) + (((9 \times 9 + 9) \times (9 + 9 + 9)) - 9)$

► **13537** := $(111 \times (1 + (11^{1+1}))) - (1 + 1 + 1 + 1 + 1)$
 := $((22/2)^{2+2}) - ((22 + 2) \times (2 \times 22 + 2))$
 := $3/3 + ((3 \times (3 - (3 \times 33))) + ((3^3 - 3)^3))$
 := $((44/4)^4) - (4 \times (((4 \times 4) + 4^4) + 4))$
 := $(5 \times ((5 \times 555) - 5)) - ((5^5 + 5)/5 + 5)$
 := $6 + ((66 \times ((6 \times 6 \times 6) - (66/6))) + 6/6)$
 := $7 + (((77 + 7) \times ((77 + 77) + 7)) - 7/7) + 7$
 := $8 + (((88/8) + 8) \times ((8 \times 88) + 8)) + 8/8$
 := $9 \times 9 + (((99 - 9/9) + 9) + 9)^{(9+9)/9}$

► **13533** := $1 + (1 + ((111 \times (1 + (11^{1+1}))) - 11))$
 := $2 + (((22 - 2) \times ((22 + 2 + 2)^2)) + (22/2))$
 := $3 + (((3^3 - 3)^3) - (3 \times 3 \times 33)) + 3$
 := $4 + (((44/4)^4) - ((4444 + 4)/4))$
 := $5 + (((5 - 5/5) \times (5^5 + 5/5)) + ((5 - 5/5)^5))$
 := $6 + ((6 \times (6 \times (6 \times 66))) - ((6 \times 6)/(6 + 6)^6))$
 := $7 + (((77 + 7) \times ((77 + 77) + 7)) + (7 + 7)/7)$
 := $8 + (((88/8) + 8) \times (((8 \times 88) - 8/8) + 8) + 8) + 8$
 := $((999/9) \times ((999 + 99)/9)) - 9$

► **13538** := $(111 \times (1 + (11^{1+1}))) - (1 + 1 + 1 + 1)$
 := $(2^{2+2} - 2) \times ((2 \times 22^2) - 2/2)$
 := $(33/3) + (((3^3 - 3)^3) - (3 \times 3 \times 33))$
 := $4 + (((44/4)^4) - (4444/4) + 4)$
 := $((5 - 5^5)/(5 + 5)) + (5 \times ((5 \times 555) - 5))$
 := $6 + ((66 \times ((6 \times 6 \times 6) - (66/6))) + ((6 + 6)/6))$
 := $7 + (((77 + 7) \times ((77 + 77) + 7)) + 7)$
 := $((8 - ((8 + 8)/8)) + 8) \times (((88 \times 88) - 8)/8)$
 := $9 + (((9 + 9)/9) + (9 \times 9)) \times ((9 \times (9 + 9)) + 9/9)$

► **13534** := $1 + (1 + (1 + ((111 \times (1 + (11^{1+1}))) - 11)))$
 := $2 + (((2 \times (2^{2+2})) + 2) \times (((22 - 2)^2) - 2))$
 := $3 + (((3^3 - 3)^3) - (3 \times 3 \times 33)) + 3/3 + 3$
 := $4 + (((44/4)^4) - (4444/4))$
 := $5 + (((5 - 5/5)^5) - 5^5) + (5 \times 5^5) + 5$
 := $6 + ((66 \times ((6 \times 6 \times 6) - (6 + 6))) + (((6 + 6)/6)^6))$
 := $((77 - 7)/7) + ((77 + 7) \times ((77 + 77) + 7))$
 := $((888/8) \times ((888 + 88)/8)) - 8$
 := $99 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9)) - (99/9)$

► **13539** := $(111 \times (1 + (11^{1+1}))) - (1 + 1 + 1)$
 := $2/2 + ((2^{2+2} - 2) \times ((2 \times 22^2) - 2/2))$
 := $3 + ((3 \times (3 - (3 \times 33))) + ((3^3 - 3)^3))$
 := $4 + (((4^4 + 4) \times ((44 + 4) + 4)) + 44/4 + 4)$
 := $((5 - 5/5)^5) + (((5 - 5/5) \times (5^5 + 5)) - 5)$
 := $6 + (((6 \times (6 \times (6 \times 66))) - ((6 \times 6)/(6 + 6)^6)) + 6)$
 := $7 + (((77 + 7) \times ((77 + 77) + 7)) + 7/7) + 7$
 := $88/8 + (((88/8) + 8) \times ((8 \times 88) + 8))$
 := $9 + ((99/9) \times (((99/9) \times (999/9)) + 9))$

► **13535** := $1 + (1 + (1 + (1 + ((111 \times (1 + (11^{1+1}))) - 11))))$
 := $(22/2) + ((2^{2+2} - 2) \times ((2 \times 22^2) - 2))$
 := $((3^3 - 3)^3) + ((3 \times (3 - (3 \times 33))) - 3/3)$
 := $4 + (((4^4 + 4) \times ((44 + 4) + 4)) + 44/4)$
 := $5 + ((5 \times ((5 + 5) \times (5 \times 55 - 5)) + 5)) + 5$
 := $6 + ((66 \times ((6 \times 6 \times 6) - (66/6))) - 6/6)$
 := $(77/7) + ((77 + 7) \times ((77 + 77) + 7))$
 := $8 + (((88/8) + 8) \times ((8 \times 88) + 8)) - 8/8$
 := $((9 + 9)/9)^9 + ((9 \times (9 \times (9 \times (9 + 9)))) - 99)$

► **13540** := $(111 \times (1 + (11^{1+1}))) - (1 + 1)$
 := $(22 - 2) \times (((22 + 2 + 2)^2) + 2/2)$
 := $3 + (((3 \times (3 - (3 \times 33))) + ((3^3 - 3)^3)) + 3/3)$
 := $4 + (((4^4 + 4) \times ((44 + 4) + 4)) + 4 \times 4)$
 := $(5 + 5) \times (((5 \times (5 \times 55 - 5)) - 5/5) + 5)$
 := $6 \times 6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6 - 6) + 6/6)$
 := $7 + (((77 + 7) \times ((77 + 77) + 7)) + ((7 + 7)/7)) + 7$
 := $((88 + 8)/8) + (((88/8) + 8) \times ((8 \times 88) + 8))$
 := $(9/9 + 9) \times (9999/9 + (9 \times (9 + 9 + 9)))$

$$\begin{aligned}
\blacktriangleright 13541 &:= 11 \times ((11 \times (1 + 111)) - 1) \\
&:= (2 \times (22^2 \times (2^{2+2} - 2))) - (22/2) \\
&:= 3 + (((3^3 - 3)^3) - (3 \times 3 \times 33)) + (33/3) \\
&:= 4 + (((44/4)^4) - (4 \times ((4 \times 4) + 4^4) + 4)) \\
&:= (55/5) \times (((55 \times 55) + 5^5) + 5)/5 \\
&:= (66/6) + (66 \times ((6 \times 6 \times 6) - (66/6))) \\
&:= 77 + ((77 \times ((7 \times (7 + 7)) + 77)) - (77/7)) \\
&:= (88/8) \times (((8 \times ((8 \times 8) + 88)) - 8/8) + 8) + 8 \\
&:= (99/9) \times (((99 \times (999/9)) + 9)/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13542 &:= 111 \times (1 + (11^{1+1})) \\
&:= 22 + ((22 - 2) \times ((22 + 2 + 2)^2)) \\
&:= (333/3) \times (((3^{3+3}) + 3)/(3 + 3)) \\
&:= (444/4) \times ((444 + 44)/4) \\
&:= (555/5) \times ((555 + 55)/5) \\
&:= ((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) + 6) \\
&:= (777/7) \times ((777 + 77)/7) \\
&:= (888/8) \times ((888 + 88)/8) \\
&:= (999/9) \times ((999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13543 &:= 1 + (111 \times (1 + (11^{1+1}))) \\
&:= 2 + ((2 \times (22^2 \times (2^{2+2} - 2))) - (22/2)) \\
&:= 3/3 + ((333/3) \times (((3^{3+3}) + 3)/(3 + 3))) \\
&:= 44 + ((4 \times (((44/4) + 4)^{4-4/4})) - 4/4) \\
&:= 5 + ((5 \times ((5 \times 555) - 5)) + ((5 - 5^5)/(5 + 5))) \\
&:= 6/6 + (((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) + 6)) \\
&:= 7 + (((7 + 7)/7 + 7) + 7) \times (((77 \times 77) - 7)/7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times 88) + 8) - 8/8) + 8 \\
&:= 999 + (((999 + 9)/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13544 &:= 1 + (1 + (111 \times (1 + (11^{1+1})))) \\
&:= 2 \times ((22^2 \times (2^{2+2} - 2)) - (2 + 2)) \\
&:= (3/3 + 3) \times (((3 \times 3 + 3 + 3)^3) + (33/3)) \\
&:= 44 + (4 \times (((44/4) + 4)^{4-4/4})) \\
&:= ((5 - 5/5)^5) + ((5 - 5/5) \times (5^5 + 5)) \\
&:= ((6 + 6)/6) + (((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) + 6)) \\
&:= (7/7 + 7) \times (((77 \times (77 + 77)) - 7)/7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times 88) + 8) + 8) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13545 &:= 1 + (1 + (1 + (111 \times (1 + (11^{1+1})))))) \\
&:= ((2/2 + 2 + 2) + 2) \times (((2 \times 22)^2) - 2/2) \\
&:= ((3 \times (3 + 3)) + 3) \times ((3 \times ((3 + 3)^3)) - 3) \\
&:= ((4 - 4/4) + 4) \times ((44 + 44) - 4/4) \\
&:= (5 \times ((5 \times 555) - 55)) - 55 \\
&:= ((6 \times 6 \times 6) - 6/6) \times (66 - (6 \times 6/(6 + 6))) \\
&:= 77 + ((77 \times ((7 \times (7 + 7)) + 77)) - 7) \\
&:= (8 - 8/8) \times (((88 \times (88 + 88)) - 8)/8) \\
&:= 99 + ((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13546 &:= 1 + (1 + (1 + (1 + (111 \times (1 + (11^{1+1})))))) \\
&:= (2 \times ((22^2 \times (2^{2+2} - 2)) - 2)) - 2 \\
&:= 3/3 + (((3 \times (3 + 3)) + 3) \times ((3 \times ((3 + 3)^3)) - 3)) \\
&:= 4 + ((444/4) \times ((444 + 44)/4)) \\
&:= 5/5 + ((5 \times ((5 \times 555) - 55)) - 55) \\
&:= 6 \times 6 \times 6 + (((6 + 6)/6) \times (6666 - 6/6)) \\
&:= 7/7 + (((77 \times ((7 \times (7 + 7)) + 77)) - 7) + 77) \\
&:= 8 + (((8 - ((8 + 8)/8)) + 8) \times (((88 \times 88) - 8)/8)) \\
&:= (((9 - 9/9) + 9) + 9) \times (((9 + 9)/9)^9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13547 &:= 1 + (1 + (1 + (1 + (1 + (111 \times (1 + (11^{1+1}))))))) \\
&:= (2 \times ((22^2 \times (2^{2+2} - 2)) - 2)) - 2/2 \\
&:= ((3^3 - 3)^3) - (((3^{3+3}) + 3)/3) + 33 \\
&:= (4 \times (44 \times (((4 - 4/4)^4) - 4))) - (4/4 + 4) \\
&:= 5 + ((555/5) \times ((555 + 55)/5)) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - (66/6))) + (66/6)) \\
&:= (((7 + 7)/7 + 7) + 7) \times ((7 \times (77 + 7)) + 7/7) \\
&:= ((88/8) + 8) \times (((8 \times 88) + 8/8) + 8) \\
&:= 9 + (((9 + 9)/9) + (9 \times 9)) \times ((9 \times (9 + 9)) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13548 &:= (1 + 11) \times (((11 - 1) \times (1 + (1 + 111))) - 1) \\
&:= 2 \times ((22^2 \times (2^{2+2} - 2)) - 2) \\
&:= 3 + (((3 \times (3 + 3)) + 3) \times ((3 \times ((3 + 3)^3)) - 3)) \\
&:= (4 \times (44 \times (((4 - 4/4)^4) - 4))) - 4 \\
&:= ((5 + 5) \times ((5 \times (5 \times 55 - 5)) + 5)) - ((5 + 5)/5) \\
&:= 6 + (((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) + 6)) \\
&:= ((77 + 7)/7) \times (((7777 + 77)/7) + 7) \\
&:= 8/8 + (((88/8) + 8) \times ((8 \times 88) + 8/8) + 8) \\
&:= ((99 + 9)/9) \times ((9999/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13549 &:= (11 \times (11 \times (1 + 111))) - (1 + 1 + 1) \\
&:= 2/2 + (2 \times ((22^2 \times (2^{2+2} - 2)) - 2)) \\
&:= ((3^3 - 3)^3) + (((3 - (3^{3+3}))/3) - 33) \\
&:= ((44/4)^4) - ((4 \times ((4 \times 4) + 4^4)) + 4) \\
&:= (5 \times (5^5 + 5)) + (((5 - 5/5)^5) - 5^5) \\
&:= ((66/6) + 6) \times (((66 \times (6 + 6)) - 6/6) + 6) \\
&:= 7 + ((777/7) \times ((777 + 77)/7)) \\
&:= 8 \times 8 + (((8 - 8/8) + 8) \times (888 + (88/8))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (((9 + 9)/9)^{9-9/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13550 &:= (11 \times (11 \times (1 + 111))) - (1 + 1) \\
&:= (2 \times (22^2 \times (2^{2+2} - 2))) - 2 \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3) - 3) + 3^3 \\
&:= (4 \times (44 \times (((4 - 4/4)^4) - 4))) - ((4 + 4)/4) \\
&:= (5 + 5) \times ((5 \times (5 \times 55 - 5)) + 5) \\
&:= 6 \times 6 \times 6 + (((6 + 6)/6) \times (6666 + 6/6)) \\
&:= 77 + ((77 \times ((7 \times (7 + 7)) + 77)) - ((7 + 7)/7)) \\
&:= 8 + ((888/8) \times ((888 + 88)/8)) \\
&:= (9 \times ((9 \times (99 + (9 \times 9))) + 9)) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13551 &:= (11 \times (11 \times (1 + 111))) - 1 \\
&:= (2 \times (22^2 \times (2^{2+2} - 2))) - 2/2 \\
&:= ((3^3 - 3)^3) + ((3 \times (3 \times (3 - 33))) - 3) \\
&:= (4 \times (44 \times (((4 - 4/4)^4) - 4))) - 4/4 \\
&:= 5/5 + ((5 + 5) \times ((5 \times (5 \times 55 - 5)) + 5)) \\
&:= 6 + (((6 \times 6 \times 6) - 6/6) \times (66 - (6 \times 6/(6 + 6)))) \\
&:= 77 + ((77 \times ((7 \times (7 + 7)) + 77)) - 7/7) \\
&:= (88 \times (((8 + 8)/8) + 88) + (8 \times 8)) - 8/8 \\
&:= 9 + ((999/9) \times ((999 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13552 &:= 11 \times (11 \times (1 + 111)) \\
&:= 2 \times (22^2 \times (2^{2+2} - 2)) \\
&:= (33/3) \times (((33/3)^3) - (3 \times 33)) \\
&:= 4 \times (44 \times (((4 - 4/4)^4) - 4)) \\
&:= (5 \times (5^5 - 5)) - (((5 + 5)/5)^{55/5}) \\
&:= (66/6) \times ((66/6) \times ((666 + 6)/6)) \\
&:= 77 + (77 \times ((7 \times (7 + 7)) + 77)) \\
&:= 88 \times (((8 + 8)/8) + 88) + (8 \times 8) \\
&:= (99/9) \times (((9 + 9)/9)^9 - 9) + (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13553 &:= 1 + (11 \times (11 \times (1 + 111))) \\
&:= 2/2 + (2 \times (22^2 \times (2^{2+2} - 2))) \\
&:= ((3^3 - 3)^3) + ((3 \times (3 \times (3 - 33))) - 3/3) \\
&:= ((44/4)^4) - (4 \times ((4 \times 4) + 4^4)) \\
&:= ((55 + 5/5) \times ((5 - (5 + 5)/5)^5)) - 55 \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - (666 + 6/6) \\
&:= 7/7 + ((77 \times ((7 \times (7 + 7)) + 77)) + 77) \\
&:= 8/8 + (88 \times (((8 + 8)/8) + 88) + (8 \times 8)) \\
&:= (((9 + 9)/9)^9) + (9 \times ((9 \times (9 \times (9 + 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13554 &:= 1 + (1 + (11 \times (11 \times (1 + 111)))) \\
&:= 2 + (2 \times (22^2 \times (2^{2+2} - 2))) \\
&:= 3 \times ((3 + 3) \times (((3^{3+3}) - 3) + 3^3)) \\
&:= 4/4 + (((44/4)^4) - (4 \times ((4 \times 4) + 4^4))) \\
&:= (55 - 5/5) \times ((5 \times 5 \times (5 + 5)) + 5/5) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - 666 \\
&:= 77 + ((77 \times ((7 \times (7 + 7)) + 77)) + (7 + 7)/7) \\
&:= ((8 + 8)/8) + (88 \times (((8 + 8)/8) + 88) + (8 \times 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9)) + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13555 &:= 1 + (1 + (1 + (11 \times (11 \times (1 + 111)))))) \\
&:= 2 + ((2 \times (22^2 \times (2^{2+2} - 2))) + 2/2) \\
&:= 3 + ((33/3) \times (((33/3)^3) - (3 \times 33))) \\
&:= 4 + ((4 \times (44 \times (((4 - 4/4)^4) - 4))) - 4/4) \\
&:= 5 + ((5 + 5) \times ((5 \times (5 \times 55 - 5)) + 5)) \\
&:= 6/6 + ((6 \times ((6 \times (6 \times 66)) - 6)) - 666) \\
&:= (((7 + 7 + 7)/7)^7) + (7 \times ((77 \times (7 + 7 + 7)) + 7)) \\
&:= 8 + (((88/8) + 8) \times ((8 \times 88) + 8/8 + 8)) \\
&:= 9 + (((9 - 9/9) + 9) + 9) \times (((9 + 9)/9)^9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13556 &:= 1 + (1 + (1 + (1 + (11 \times (11 \times (1 + 111)))))) \\
&:= 2 \times ((22^2 \times (2^{2+2} - 2)) + 2) \\
&:= (3 - 3/3) \times (((3^{3 \times 3}) + 3)/3) + ((3 + 3)^3) \\
&:= 4 + (4 \times (44 \times (((4 - 4/4)^4) - 4))) \\
&:= 5 + (((5 + 5) \times ((5 \times (5 \times 55 - 5)) + 5)) + 5/5) \\
&:= ((6 + 6)/6) + ((6 \times ((6 \times (6 \times 66)) - 6)) - 666) \\
&:= 7 + (((777/7) \times ((777 + 77)/7)) + 7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times 88) + 8/8 + 8)) + 8/8 \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9)) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13557 &:= 1 + (1 + (1 + (1 + (1 + (11 \times (11 \times (1 + 111))))))) \\
&:= 2/2 + (2 \times (22^2 \times (2^{2+2} - 2)) + 2) \\
&:= 3 + ((3 \times (3 \times (3 - 33))) + ((3^3 - 3)^3)) \\
&:= 4 + (((44/4)^4) - (4 \times ((4 \times 4) + 4^4))) \\
&:= (((5 + 5)/5) + 5)^5 - ((5 \times 5 \times 5) + 5^5) \\
&:= (6 \times ((6 \times (6 \times 66)) + 6)) - (((6 \times 6/(6 + 6))^6) + 6) \\
&:= 7 + (((77 \times ((7 \times (7 + 7)) + 77)) - ((7 + 7)/7)) + 77) \\
&:= (8 \times (8 - 88)) + (((8 + 8) \times 888) - 88/8) \\
&:= (999/9) + (9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13558 &:= ((1 + (1 + 111)) \times ((11^{1+1}) - 1)) - (1 + 1) \\
&:= 2 + (2 \times (22^2 \times (2^{2+2} - 2)) + 2) \\
&:= 3 + (((33/3) \times (((33/3)^3) - (3 \times 33))) + 3) \\
&:= ((4 - 44)/4) + (4 \times (4 \times (4 \times (4^4 - 44)))) \\
&:= ((5 - 5^5)/(5 + 5)) + ((5 \times 5 \times 555) - 5) \\
&:= 6 + ((66/6) \times ((66/6) \times ((666 + 6)/6))) \\
&:= 7 + (((77 \times ((7 \times (7 + 7)) + 77)) - 7/7) + 77) \\
&:= 8 + (((888/8) \times ((888 + 88)/8)) + 8) \\
&:= (9 \times (9 \times (9 + 9))) + (((99/9) + 99)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13559 &:= ((1 + (1 + 111)) \times ((11^{1+1}) - 1)) - 1 \\
&:= ((2/2 + 2 + 2) + 2) \times (((2 \times 22)^2) + 2/2) \\
&:= ((3^3 - 3)^3) + (((33 \times (3 - 3^3)) - 3)/3) \\
&:= ((4 - 4/4) + 4) \times ((44 \times 44) + 4/4) \\
&:= 5 + ((55 - 5/5) \times ((5 \times 5 \times (5 + 5)) + 5/5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) - (666 + 6/6)) \\
&:= 7 + ((77 \times ((7 \times (7 + 7)) + 77)) + 77) \\
&:= (8 - 8/8) \times (((88 \times (88 + 88)) + 8)/8) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9))) + 9)) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13560 &:= (1 + (1 + 111)) \times ((11^{1+1}) - 1) \\
&:= (22 - 2) \times (((22 + 2 + 2)^2) + 2) \\
&:= 33 + (((3^3 - 3)^3) - (3 \times 3 \times 33)) \\
&:= (4 \times (4 \times (4 \times (4^4 - 44)))) - (4 + 4) \\
&:= ((5 \times 5) - 5/5) \times ((555 + 5) + 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) - 666) \\
&:= (7/7 + 7) \times (((77 \times (77 + 77)) + 7)/7) \\
&:= ((8 - 8/8) + 8) \times ((888 + 8) + 8) \\
&:= ((999/9) + 9) \times (((999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13561 &:= 1 + ((1 + (1 + 111)) \times ((11^{1+1}) - 1)) \\
 &:= 2/2 + ((22 - 2) \times (((22 + 2 + 2)^2) + 2)) \\
 &:= ((3^3 - 3)^3) + (((33 \times (3 - 3^3)) + 3)/3) \\
 &:= 4 + (((44/4)^4) - (4 \times ((4 \times 4) + 4^4))) + 4 \\
 &:= 5/5 + (((5 \times 5) - 5/5) \times ((555 + 5) + 5)) \\
 &:= 6 + (((6 \times ((6 \times (6 \times 66)) - 6)) - 666) + 6/6) \\
 &:= (7 \times (7 \times 7 \times 7 + 7)) + (77777/7) \\
 &:= 8/8 + (((8 - 8/8) + 8) \times ((888 + 8) + 8)) \\
 &:= 9 + ((99/9) \times (((9 + 9)/9)^9) - 9) + (9 \times (9 \times 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13562 &:= (11 \times (1 + (11 \times (1 + 111)))) - 1 \\
 &:= 2 + ((22 - 2) \times (((22 + 2 + 2)^2) + 2)) \\
 &:= (33 \times ((333 - 3) + (3 \times 3^3))) - 3/3 \\
 &:= (4 \times (4 \times (4 \times (4^4 - 44)))) - (((4 + 4)/4) + 4) \\
 &:= (5 \times 5 \times 555) - ((5^5 + 5)/(5 + 5)) \\
 &:= (((6 + 6)/6)^6) \times (((6 + 6)/6) - 6) + 6 \times 6 \times 6) - 6 \\
 &:= (7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 77)) - (77/7) \\
 &:= ((8 + 8)/8) + (((8 - 8/8) + 8) \times ((888 + 8) + 8)) \\
 &:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) - 9)) + (((9 + 9)/9)^9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13563 &:= 11 \times (1 + (11 \times (1 + 111))) \\
 &:= (22/2) + (2 \times (22^2 \times (2^{2+2} - 2))) \\
 &:= 33 \times ((333 - 3) + (3 \times 3^3)) \\
 &:= (4 \times (4 \times (4 \times (4^4 - 44)))) - (4/4 + 4) \\
 &:= ((5 - 5^5)/(5 + 5)) + (5 \times 5 \times 555) \\
 &:= (6 \times ((6 \times (6 \times 66)) + 6)) - ((6 \times 6/(6 + 6))^6) \\
 &:= ((77/7)^{77/7-7}) - (77 \times (7 + 7)) \\
 &:= ((88/8) + 88) \times ((8 \times (8 + 8) + 8/8) + 8) \\
 &:= 99 \times (((99/9) + 99) + 9) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13564 &:= 1 + (11 \times (1 + (11 \times (1 + 111)))) \\
 &:= 2 + (((22 - 2) \times (((22 + 2 + 2)^2) + 2)) + 2) \\
 &:= 3/3 + (33 \times ((333 - 3) + (3 \times 3^3))) \\
 &:= (4 \times (4 \times (4 \times (4^4 - 44)))) - 4 \\
 &:= ((5 - 5/5)^5) + ((5 - 5/5) \times (5^5 + 5 + 5)) \\
 &:= 66 + (((6 \times 6) - ((6 + 6)/6)) \times ((6 \times 66) + 6/6)) \\
 &:= 7/7 + (((77/7)^{77/7-7}) - (77 \times (7 + 7))) \\
 &:= (8 \times 8/(8 + 8)) \times ((8 \times ((8 \times 8 \times 8) - 88)) - 8/8) \\
 &:= 9 + (((9 - 9/9) + 9) + 9) \times (((9 + 9)/9)^9) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13565 &:= 1 + (1 + (11 \times (1 + (11 \times (1 + 111)))) \\
 &:= 2 + ((2 \times (22^2 \times (2^{2+2} - 2))) + (22/2)) \\
 &:= ((3^3 - 3)^3) - (((3/3 + 3)^{3/3+3}) + 3) \\
 &:= 4/4 + (((4 \times (4 \times (4 \times (4^4 - 44)))) - 4) \\
 &:= 5 + (((5 \times 5) - 5/5) \times ((555 + 5) + 5)) \\
 &:= (((66/6) + 6) \times ((66 \times (6 + 6)) + 6)) - 6/6 \\
 &:= (7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 77)) - (7/7 + 7) \\
 &:= 8 + (((8 + 8) \times 888) - 88/8) + (8 \times (8 - 88)) \\
 &:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)) + (99/9)) + 99
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13566 &:= 1 + (1 + (1 + (11 \times (1 + (11 \times (1 + 111)))))) \\
 &:= 2 \times (((2/2 + 2)^{2 \times (2+2)}) + 222) \\
 &:= 3 + (33 \times ((333 - 3) + (3 \times 3^3))) \\
 &:= (4 \times (4 \times (4 \times (4^4 - 44)))) - ((4 + 4)/4) \\
 &:= (((5 - 5/5) + 5) + 5) \times (((5 - 5/5)^5) - 55) \\
 &:= ((66/6) + 6) \times ((66 \times (6 + 6)) + 6) \\
 &:= (7 + 7) \times (((7 + 7) \times (77 - 7)) - (77/7)) \\
 &:= ((88/8) + 8) \times (((8 + 8)/8) + (8 \times 88)) + 8 \\
 &:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)) + (999/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13567 &:= ((1 + 1)^{11-1}) + (((1 + 111)^{1+1}) - 1) \\
 &:= 2/2 + (2 \times (((2/2 + 2)^{2 \times (2+2)}) + 222)) \\
 &:= ((3^3 - 3)^3) - (((3^3+3) + 33)/3) + 3 \\
 &:= (4 \times (4 \times (4 \times (4^4 - 44)))) - 4/4 \\
 &:= 5 + ((5 \times 5 \times 555) - ((5^5 + 5)/(5 + 5))) \\
 &:= 6/6 + (((66/6) + 6) \times ((66 \times (6 + 6)) + 6)) \\
 &:= 7 + ((7/7 + 7) \times (((77 \times (77 + 77)) + 7)/7)) \\
 &:= (8 \times (8 - 88)) + (((8 + 8) \times 888) - 8/8) \\
 &:= (9 \times (9 \times (9 \times (9 + 9)))) + (((9 \times (9 \times 99)) - 9)/(9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13568 &:= ((1 + 1)^{11-1}) + ((1 + 111)^{1+1}) \\
 &:= ((22 + 2)^{2/2+2}) - (2^{2 \times (2+2)}) \\
 &:= ((3/3 + 3)^3) \times (((3 + 3)^3) - (3/3 + 3)) \\
 &:= 4 \times (4 \times (4 \times (4^4 - 44))) \\
 &:= 5 + (((5 - 5^5)/(5 + 5)) + (5 \times 5 \times 555)) \\
 &:= (((6 + 6)/6)^6) \times (((6 + 6)/6) - 6) + 6 \times 6 \times 6) \\
 &:= (((7 + 7)/7)^7) \times (((7 \times (7 + 7)) + 7/7) + 7) \\
 &:= (8 + 8) \times (((8 \times (88 + 8 + 8)) + 8) + 8) \\
 &:= (9 \times (9 \times (9 \times (9 + 9)))) + (((9 \times (9 \times 99)) + 9)/(9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13569 &:= 1 + (((1 + 1)^{11-1}) + ((1 + 111)^{1+1})) \\
 &:= (2 \times ((22 - 2)^2)) + (((222/2) + 2)^2) \\
 &:= ((3^3 - 3)^3) - ((3 \times ((3 \times 3^3) + 3)) + 3) \\
 &:= 4/4 + (4 \times (4 \times (4 \times (4^4 - 44)))) \\
 &:= (5 \times (5 \times (555 - (5 + 5)))) - (55 + 5/5) \\
 &:= 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) - ((6 \times 6/(6 + 6))^6)) \\
 &:= 7/7 + (((7 + 7)/7)^7) \times (((7 \times (7 + 7)) + 7/7) + 7) \\
 &:= 8/8 + (((8 + 8) \times 888) + (8 \times (8 - 88))) \\
 &:= 9 + (((999/9) + 9) \times (((999 + 9) + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13570 &:= (11 - 1) \times (1 + ((1 + 11) \times (1 + (1 + 111)))) \\
 &:= 2 + (((22 + 2)^{2/2+2}) - (2^{2 \times (2+2)})) \\
 &:= ((3^3 - 3)^3) - (((3^3+3) + 33)/3) \\
 &:= ((4 + 4)/4) + (4 \times (4 \times (4 \times (4^4 - 44)))) \\
 &:= (5 \times (5 \times (555 - (5 + 5)))) - 55 \\
 &:= 66 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6 - 6) + 6/6) \\
 &:= 7 + (((77/7)^{77/7-7}) - (77 \times (7 + 7))) \\
 &:= ((8 + 8)/8) + (((8 + 8) \times 888) + (8 \times (8 - 88))) \\
 &:= ((9 + 9 + 9) \times (((9 + 9)/9)^9) - 9) - (99/9)
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13571 &:= 11 + ((1 + (1 + 111)) \times ((11^{1+1}) - 1)) \\
&:= 2 + (((222/2) + 2)^2) + (2 \times ((22 - 2)^2)) \\
&:= 3 + (((3/3 + 3)^3) \times (((3 + 3)^3) - (3/3 + 3))) \\
&:= 4 + ((4 \times (4 \times (4 \times (4^4 - 44)))) - 4/4) \\
&:= 5/5 + ((5 \times (5 \times (555 - (5 + 5)))) - 55) \\
&:= ((6 - 6/6)^6) - (((6 + 6)/6)^{66/6}) + 6 \\
&:= ((7 \times 7) - (7/7 + 7)) \times (7 \times 7 \times 7 - ((77 + 7)/7)) \\
&:= 8 + (((88/8) + 88) \times ((8 \times (8 + 8) + 8/8) + 8)) \\
&:= ((9 + 9 + 9) \times (((9 + 9)/9)^9 - 9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13572 &:= (1 + 11) \times (1 + ((11 - 1) \times (1 + (1 + 111)))) \\
&:= 22 + ((2 \times (22^2 \times (2^{2+2} - 2))) - 2) \\
&:= ((3^3 - 3)^3) - (3 \times ((3 \times 3^3) + 3)) \\
&:= 4 + (4 \times (4 \times (4 \times (4^4 - 44)))) \\
&:= (5 \times 5^5) - (((5 + 5)/5)^{55/5}) + 5 \\
&:= 6 \times ((6 \times ((6 \times (66 - 6)) + 6)) + 66) \\
&:= (7/7 + 77) \times (((7 \times (7 + 7)) - 7/7) + 77) \\
&:= (8 \times 8/(8 + 8)) \times ((8 \times ((8 \times 8 \times 8) - 88)) + 8/8) \\
&:= ((9 + 9 + 9) \times (((9 + 9)/9)^9 - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13573 &:= (11 \times (1 + (1 + (11 \times (1 + 111)))) - 1 \\
&:= 22 + ((2 \times (22^2 \times (2^{2+2} - 2))) - 2/2) \\
&:= 3 + (((3^3 - 3)^3) - (((3^{3+3}) + 33)/3)) \\
&:= ((44/4)^4) - ((4 \times 4^4) + 44) \\
&:= (55 - (5/5 + 5)) \times ((5 \times 55) + ((5 + 5)/5)) \\
&:= 6/6 + (6 \times ((6 \times ((6 \times (66 - 6)) + 6)) + 66)) \\
&:= 7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 77) \\
&:= 8 \times 8 + (((88/8) + 8) \times (((8 \times 88) - 8/8) + 8)) \\
&:= 9/9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9 - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13574 &:= 11 \times (1 + (1 + (11 \times (1 + 111)))) \\
&:= 22 + (2 \times (22^2 \times (2^{2+2} - 2))) \\
&:= ((3^3 - 3)^3) - (((3^{3+3}) + 3)/3) + 3 \\
&:= 4 + ((4 \times (4 \times (4 \times (4^4 - 44)))) + ((4 + 4)/4)) \\
&:= (5 \times ((5 \times 555) - (55 + 5))) - 5/5 \\
&:= 6 + (((6 + 6)/6)^6) \times (((6 + 6)/6) - 6) + 6 \times 6 \times 6 \\
&:= 7/7 + (7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 77)) \\
&:= 8 + (((88/8) + 8) \times (((8 + 8)/8) + (8 \times 88) + 8)) \\
&:= ((9 + 9)/9) + (((9 + 9 + 9) \times (((9 + 9)/9)^9 - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13575 &:= 1 + (11 \times (1 + (1 + (11 \times (1 + 111)))) \\
&:= 22 + ((2 \times (22^2 \times (2^{2+2} - 2))) + 2/2) \\
&:= ((3^3 - 3)^3) - (((3 + 3)^3) + 33) \\
&:= 4 + (((4 \times (4 \times (4 \times (4^4 - 44)))) - 4/4) + 4) \\
&:= 5 \times ((5 \times 555) - (55 + 5)) \\
&:= (666/6) + (66 \times ((6 \times 6 \times 6) - (6 + 6))) \\
&:= 7 + (((7 + 7)/7)^7) \times (((7 \times (7 + 7)) + 7/7) + 7) \\
&:= ((8 - 8/8) + 8) \times (((888 + 8/8) + 8) + 8) \\
&:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)) + (999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13576 &:= 1 + (1 + (11 \times (1 + (1 + (11 \times (1 + 111)))))) \\
&:= 2 + ((2 \times (22^2 \times (2^{2+2} - 2))) + 22) \\
&:= 3/3 + (((3^3 - 3)^3) - (((3 + 3)^3) + 33)) \\
&:= 4 + ((4 \times (4 \times (4 \times (4^4 - 44)))) + 4) \\
&:= 5/5 + (5 \times ((5 \times 555) - (55 + 5))) \\
&:= ((6 - 6/6)^6) - (((6 + 6)/6)^{66/6}) + 6/6 \\
&:= (7/7 + 7) \times (((7 + 7 + 7)/7)^7) + (7 \times (7 - 77)) \\
&:= 8 + (((8 + 8) \times 888) + (8 \times (8 - 88))) \\
&:= 9 + (((9 \times (9 \times 99)) - 9)/(9 + 9)) + (9 \times (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13577 &:= 1 + (1 + (1 + (11 \times (1 + (1 + (11 \times (1 + 111)))))) \\
&:= ((2/2 + 2 + 2)^{2+2+2}) - (2^{22/2}) \\
&:= ((3^3 - 3)^3) - (((3^{3+3}) + 3)/3) + 3 \\
&:= 4 + (((44/4)^4) - ((4 \times 4^4) + 44)) \\
&:= (5 \times 5^5) - (((5 + 5)/5)^{55/5}) \\
&:= ((6 - 6/6)^6) - (((6 + 6)/6)^{66/6}) \\
&:= ((7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 77) - 7 \\
&:= (8 \times 888) + (((88/8) - 8)^8) - 88 \\
&:= ((99 + 9 + 9)^{(9+9)/9}) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13578 &:= ((111 + ((1 + 1) \times (1 + 1 + 1)))^{1+1}) - 111 \\
&:= ((2^{2+2} - 2) \times ((2 \times 22^2) + 2)) - 2 \\
&:= ((3^3 - 3)^3) - ((3 \times (3 \times 3^3)) + 3) \\
&:= ((44 - 4)/4) + (4 \times (4 \times (4 \times (4^4 - 44)))) \\
&:= 5/5 + ((5 \times 5^5) - (((5 + 5)/5)^{55/5})) \\
&:= 6 + (6 \times ((6 \times ((6 \times (66 - 6)) + 6)) + 66)) \\
&:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) - 7/7 + 77 \\
&:= 8 + (((8 + 8) \times 888) + (8 \times (8 - 88))) + ((8 + 8)/8) \\
&:= ((99 + 9 + 9)^{(9+9)/9}) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13579 &:= 11 + (((1 + 1)^{11-1}) + ((1 + 111)^{1+1})) \\
&:= ((2^{2+2} - 2) \times ((2 \times 22^2) + 2)) - 2/2 \\
&:= ((3^3 - 3)^3) + (((3 - (3^{3+3}))/3) - 3) \\
&:= (44/4) + (4 \times (4 \times (4 \times (4^4 - 44)))) \\
&:= 5 + ((5 \times ((5 \times 555) - (55 + 5))) - 5/5) \\
&:= ((6 - 6/6)^6) + (66 \times (6 - ((6 \times 6) + 6/6))) \\
&:= 7 + ((7/7 + 77) \times (((7 \times (7 + 7)) - 7/7) + 77)) \\
&:= 88/8 + (((8 + 8) \times 888) + (8 \times (8 - 88))) \\
&:= ((9 + 9 + 9) \times (((9 + 9)/9)^9 - 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13580 &:= ((11 \times 11111) - 1)/(11 - 1 - 1) \\
&:= (2^{2+2} - 2) \times ((2 \times 22^2) + 2) \\
&:= ((3^3 - 3)^3) - (((3^{3+3}) + 3)/3) \\
&:= ((4 - 4/4) + 4) \times ((44 + 44) + 4) \\
&:= 5 + (5 \times ((5 \times 555) - (55 + 5))) \\
&:= ((6 \times 6) - 6/6) \times ((6 \times 66) - ((6 + 6)/6 + 6)) \\
&:= 7 + (7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 77)) \\
&:= ((8 - ((8 + 8)/8)) + 8) \times (((88 \times 88) + 8) + 8)/8 \\
&:= ((9 + 9 + 9) \times (((9 + 9)/9)^9 - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 13581 &:= 1 + (((11 \times 11111) - 1) / (11 - 1 - 1)) \\ &:= 2/2 + ((2^{2+2} - 2) \times ((2 \times 22^2) + 2)) \\ &:= ((3^3 - 3)^3) - (3 \times (3 \times 3^3)) \\ &:= ((44/4)^4) - ((4 \times (4^4 + 4 + 4)) + 4) \\ &:= 5 + ((5 \times ((5 \times 555) - (55 + 5))) + 5/5) \\ &:= 6 + ((66 \times ((6 \times 6 \times 6) - (6 + 6))) + 666/6) \\ &:= (((777/7) + 7)^{(7+7)/7}) - (7 \times 7 \times 7) \\ &:= (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) - (8/8 + 8)) \\ &:= (9 + 9 + 9) \times (((9 + 9)/9)^9) - 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13582 &:= 1 + (1 + (((11 \times 11111) - 1) / (11 - 1 - 1))) \\ &:= 2 + ((2^{2+2} - 2) \times ((2 \times 22^2) + 2)) \\ &:= ((3^3 - 3)^3) + ((3 - (3^{3+3}))/3) \\ &:= (4 \times ((4 \times (4 \times (4^4 - 44)) + 4)) - ((4 + 4)/4)) \\ &:= 5 + ((5 \times 5^5) - (((5 + 5)/5)^{55/5})) \\ &:= (6 \times (6 \times (6 \times 66))) - ((666 + ((6 + 6)/6)) + 6) \\ &:= 7 + (((((7 + 7)/7)^7) \times (((7 \times (7 + 7)) + 7/7) + 7)) + 7) \\ &:= (((8 + 8)/8) + 88) \times ((88 - 8/8) + (8 \times 8)) - 8 \\ &:= 9/9 + ((9 + 9 + 9) \times (((9 + 9)/9)^9) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13583 &:= (11 \times (1 + (1 + (1 + (11 \times (1 + 111)))))) - (1 + 1) \\ &:= ((2 - 22^2)/2) + ((22 + 2)^{2/2+2}) \\ &:= 3 + (((3^3 - 3)^3) - (((3^{3+3}) + 3)/3)) \\ &:= (4 \times ((4 + 4) \times 444)) - ((4/4 + 4)^4) \\ &:= ((55 + 5/5) \times ((5 - (5 + 5)/5)^5)) - (5 \times 5) \\ &:= 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{66/6})) \\ &:= ((7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 77) - 7/7 \\ &:= (8/8 + 8 + 8) \times (888 - (8/8 + 88)) \\ &:= ((9 + 9)/9) + ((9 + 9 + 9) \times (((9 + 9)/9)^9) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13584 &:= (1 + 11) \times (11 + (11 + (1111 - 1))) \\ &:= 2 + (((2^{2+2} - 2) \times ((2 \times 22^2) + 2)) + 2) \\ &:= 3 + (((3^3 - 3)^3) - (3 \times (3 \times 3^3))) \\ &:= 4 \times ((4 \times (4 \times (4^4 - 44)) + 4)) \\ &:= ((5 \times 5) - 5/5) \times (555 + (55/5)) \\ &:= (6 \times (6 \times (6 \times 66))) - (666 + 6) \\ &:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 77 \\ &:= 8 + (((8 + 8) \times 888) + (8 \times (8 - 88))) + 8 \\ &:= ((9 + 9 + 9)/9) + ((9 + 9 + 9) \times (((9 + 9)/9)^9) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13585 &:= 11 \times (1 + (1 + (1 + (11 \times (1 + 111)))))) \\ &:= (((22/2)^2) - 2^2) - ((22 + 2)^2) \\ &:= 3 + (((3 - (3^{3+3}))/3) + ((3^3 - 3)^3)) \\ &:= ((44/4)^4) - (4 \times (4^4 + 4 + 4)) \\ &:= 5 + ((5 \times ((5 \times 555) - (55 + 5))) + 5) \\ &:= (6/6 - 66) \times ((6/6 - (6 \times 6 \times 6)) + 6) \\ &:= 7/7 + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 77) \\ &:= ((88/8) + 8) \times ((88/8) + (8 \times 88)) \\ &:= 9999/9 + (9 \times ((9 \times (9 \times (9 + 9)) - 9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13586 &:= 1 + (11 \times (1 + (1 + (1 + (11 \times (1 + 111)))))) \\ &:= (2 \times ((2^{2+2} - 2) \times (22^2 + 2))) - 22 \\ &:= 3 + (((3^3 - 3)^3) - (((3^{3+3}) + 3)/3) + 3) \\ &:= 4/4 + (((44/4)^4) - (4 \times (4^4 + 4 + 4))) \\ &:= (55/5) + (5 \times ((5 \times 555) - (55 + 5))) \\ &:= 6 + (((6 \times 6) - 6/6) \times ((6 \times 66) - ((6 + 6)/6 + 6))) \\ &:= (777/7) + (77 \times ((7 \times (7 + 7)) + 77)) \\ &:= 8/8 + (((88/8) + 8) \times ((88/8) + (8 \times 88))) \\ &:= 9 + (((99 + 9 + 9)^{(9+9)/9}) - ((999 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13587 &:= 1 + (1 + (11 \times (1 + (1 + (1 + (11 \times (1 + 111))))))) \\ &:= 2 + (((((22/2)^2) - 2)^2) - ((22 + 2)^2)) \\ &:= 3 + (((3^3 - 3)^3) - (3 \times (3 \times 3^3))) + 3 \\ &:= 4 + ((4 \times ((4 + 4) \times 444)) - ((4/4 + 4)^4)) \\ &:= 5 + (((5 \times 5^5) - (((5 + 5)/5)^{55/5})) + 5) \\ &:= (6 \times (6 \times (6 \times 66))) - ((6 \times 6)/(6 + 6)) + 666 \\ &:= 7 + ((7 \times ((7 \times (7 \times 7 \times 7 - 77)) + 77)) + 7) \\ &:= 8 + (((8 + 8) \times 888) + (8 \times (8 - 88))) + (88/8) \\ &:= (((99 + 9)/9) + 9) \times ((9 \times (9 \times 9) - 9)) - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13588 &:= 1 + (1 + (1 + (11 \times (1 + (1 + (1 + (11 \times (1 + 111))))))) \\ &:= (2^{2 \times (2+2)}) + ((2 + 2 + 2) \times 2222) \\ &:= 3 + (((3 - (3^{3+3}))/3) + ((3^3 - 3)^3) + 3) \\ &:= 4 + (4 \times ((4 \times (4 \times (4^4 - 44)) + 4)) \\ &:= ((5 - 5^5)/(5 + 5)) + (5 \times (5 \times 555 + 5)) \\ &:= (6 \times (6 \times (6 \times 66))) - (666 + ((6 + 6)/6)) \\ &:= 7 + (((777/7) + 7)^{(7+7)/7}) - (7 \times 7 \times 7) \\ &:= 8 + (((8 - ((8 + 8)/8)) + 8) \times (((88 \times 88) + 8) + 8)/8) \\ &:= ((9 \times 9) - ((9 + 9)/9)) \times (((9 \times (9 + 9)) + 9)/9) + 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13589 &:= ((1 + 1 + 11)^{1+1}) + (11 \times ((11 \times 111) - 1)) \\ &:= 2 + ((((((22/2)^2) - 2)^2) - ((22 + 2)^2)) + 2) \\ &:= 3 \times 3 + (((3^3 - 3)^3) - (((3^{3+3}) + 3)/3)) \\ &:= 4 + (((44/4)^4) - (4 \times (4^4 + 4 + 4))) \\ &:= (5 \times ((5 \times 555) - 55)) - (55/5) \\ &:= (6 \times (6 \times (6 \times 66))) - (666 + 6/6) \\ &:= 77 + (((7777/7) + (7 \times (7 \times 7 \times 7))) \\ &:= ((8 \times (8 + 8)) - 8/8) \times (((88/8) + 88) + 8) \\ &:= 9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9) - 9) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13590 &:= (11 - 1) \times (1 + (1 + (1 + ((1 + 11) \times (1 + (1 + 111)))))) \\ &:= 2 + (((2 + 2 + 2) \times 2222) + (2^{2 \times (2+2)})) \\ &:= (3 + 3) \times ((3 \times ((3^{3+3}) + 3^3)) - 3) \\ &:= (44 + 4/4) \times (((4 + 4)/4 + 4^4) + 44) \\ &:= (5 \times ((5 \times 555) - 55)) - (5 + 5) \\ &:= (6 \times (6 \times (6 \times 66))) - 666 \\ &:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 77 + 7/7 \\ &:= (((8 + 8)/8) + 88) \times ((88 - 8/8) + (8 \times 8)) \\ &:= 9 + ((9 + 9 + 9) \times (((9 + 9)/9)^9) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13591 &:= 11 + (((11 \times 11111) - 1) / (11 - 1 - 1)) \\ &:= (22/2) + ((2^{2+2} - 2) \times ((2 \times 22^2) + 2)) \\ &:= 3 \times 3 + (((3 - (3^{3+3})) / 3) + ((3^3 - 3^3))) \\ &:= 4^4 + ((4 - 4/4) \times (4444 + 4/4)) \\ &:= 5/5 + ((5 \times ((5 \times 555) - 55)) - (5 + 5)) \\ &:= 6/6 + ((6 \times (6 \times (6 \times 66))) - 666) \\ &:= 7 + ((7 - 7/7) \times (((7 + 7 + 7) / 7)^7 + 77)) \\ &:= 8 + ((8/8 + 8 + 8) \times (888 - (8/8 + 88))) \\ &:= 9 + (((9 + 9 + 9) \times (((9 + 9) / 9)^9) - 9) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13592 &:= ((1 + (11 \times (1 + 11)))^{1+1}) - (1 + ((1 + 1)^{11+1})) \\ &:= 2 \times (((22^2 \times (2^{2+2} - 2)) - 2) + 22) \\ &:= ((3^3 - 3^3)^3) + ((33 - (3^{3+3})) / 3) \\ &:= 4 + ((4 \times ((4 \times (4 \times (4^4 - 44)) + 4)) + 4) + 4) \\ &:= (5 - 5/5) \times (((5 \times 55) - ((5 + 5) / 5)) + 5^5) \\ &:= ((6 + 6) / 6) + ((6 \times (6 \times (6 \times 66))) - 666) \\ &:= ((7 + 7) \times ((7 + 7) \times (77 - 7))) - (((7 + 7) / 7)^7) \\ &:= 8 \times (((88/8) + 8) \times (8/8 + 88)) + 8 \\ &:= (99/9) + ((9 + 9 + 9) \times (((9 + 9) / 9)^9) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13593 &:= ((1 + (11 \times (1 + 11)))^{1+1}) - ((1 + 1)^{11+1}) \\ &:= ((22 - 22^2) / 2) + ((22 + 2)^{2/2+2}) \\ &:= 3 + ((3 \times (3 - (3 \times 3^3))) + ((3^3 - 3^3)^3)) \\ &:= ((44/4)^4) - (((4 \times (4^4 + 4)) + 4) + 4) \\ &:= (5 \times ((5 \times 555) - 55)) - (((5 + 5) / 5) + 5) \\ &:= 66 + ((6 \times (6 \times (6 \times 66))) - ((6 \times 6 / (6 + 6))^6)) \\ &:= (77 - (7/7 + 7)) \times (((7 + 7) \times (7 + 7)) + 7/7) \\ &:= 8 + (((88/8) + 8) \times ((88/8) + (8 \times 88))) \\ &:= ((99 + 9) / 9) + ((9 + 9 + 9) \times (((9 + 9) / 9)^9) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13594 &:= ((1 + 11) \times (11 + (11 + 1111))) - (1 + 1) \\ &:= (2^{2+2} - 2) \times (((2 \times 22^2) + 2/2) + 2) \\ &:= (3/3 + 3 + 3) \times (((3 \times (3 + 3))^3) - (3 + 3)) / 3 \\ &:= ((44/4)^4) + ((4^4 - 4444) / 4) \\ &:= (5 \times ((5 \times 555) - 55)) - (5/5 + 5) \\ &:= 6 + ((6 \times (6 \times (6 \times 66))) - (666 + ((6 + 6) / 6))) \\ &:= 7 \times ((7 \times ((7 - (7 \times 7)) + 7)) + (((7 + 7 + 7) / 7)^7)) \\ &:= 8 + (((88/8) + 8) \times ((88/8) + (8 \times 88))) + 8/8 \\ &:= (9 - ((9 + 9) / 9)) \times (((9 + 9) \times (99 + 9)) - ((9 + 9) / 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13595 &:= ((1 + 11) \times (11 + (11 + 1111))) - 1 \\ &:= ((2 + 2 + 2)^{2+2}) + (((222/2)^2) - 22) \\ &:= 3 + (((33 - (3^{3+3})) / 3) + ((3^3 - 3^3)^3)) \\ &:= (44/4) + (4 \times ((4 \times (4 \times (4^4 - 44)) + 4)) + 4) \\ &:= (5 \times ((5 \times 555) - 55)) - 5 \\ &:= 6 + ((6 \times (6 \times (6 \times 66))) - (666 + 6/6)) \\ &:= 7777 + ((77 \times 77) - (777/7)) \\ &:= 8888 + ((8/8 + 8) \times ((8 \times 8 \times 8) + (88/8))) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (((9 + 9) / 9)^{9-9/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13596 &:= (1 + 11) \times (11 + (11 + 1111)) \\ &:= 2 \times ((22^2 \times (2^{2+2} - 2)) + 22) \\ &:= ((3^3 - 3^3)^3) - (((3 + 3)^3) + 3 \times 3) + 3 \\ &:= 44 \times (((4^4 - 44) / 4) + 4^4) \\ &:= 5/5 + ((5 \times ((5 \times 555) - 55)) - 5) \\ &:= 6 + ((6 \times (6 \times (6 \times 66))) - 666) \\ &:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) - (((7 + 7) / 7)^7 + 7)) \\ &:= (88/8) \times (((88 + 8) / 8) \times ((888/8) - 8)) \\ &:= 9 + (((99 + 9) / 9) + 9) \times ((9 \times ((9 \times 9) - 9)) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13597 &:= 1 + ((1 + 11) \times (11 + (11 + 1111))) \\ &:= 2/2 + (2 \times ((22^2 \times (2^{2+2} - 2)) + 22)) \\ &:= ((3^3 - 3^3)^3) - (((3 + 3)^3) + (33/3)) \\ &:= ((44/4)^4) - ((4 \times (4^4 + 4)) + 4) \\ &:= ((5 + 5) / 5) + ((5 \times ((5 \times 555) - 55)) - 5) \\ &:= 6 + (((6 \times (6 \times (6 \times 66))) - 666) + 6/6) \\ &:= 7 + ((7 - 7/7) \times (((7 + 7 + 7) / 7)^7 + 77) + 7/7) \\ &:= 8 + (((8 \times (8 + 8)) - 8/8) \times (((88/8) + 88) + 8)) \\ &:= (9 \times (((9 + 9) / 9)^9) + 999) - ((9 + 9) / 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13598 &:= 1 + (1 + ((1 + 11) \times (11 + (11 + 1111)))) \\ &:= (((22 - 2)^2) \times ((2 \times (2^{2+2})) + 2)) - 2 \\ &:= ((3 - 33) / 3) + (((3^3 - 3^3)^3) - ((3 + 3)^3)) \\ &:= 4/4 + (((44/4)^4) - ((4 \times (4^4 + 4)) + 4)) \\ &:= (5 \times ((5 \times 555) - 55)) - ((5 + 5) / 5) \\ &:= 6 + (((6 \times (6 \times (6 \times 66))) - 666) + ((6 + 6) / 6)) \\ &:= 7 + (((7 - 7/7) \times (((7 + 7 + 7) / 7)^7 + 77)) + 7) \\ &:= 8 + (((8 + 8) / 8) + 88) \times ((88 - 8/8) + (8 \times 8)) \\ &:= (9 \times (((9 + 9) / 9)^9) + 999) - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13599 &:= 1 + (1 + (1 + ((1 + 11) \times (11 + (11 + 1111))))) \\ &:= (((22 - 2)^2) \times ((2 \times (2^{2+2})) + 2)) - 2/2 \\ &:= 3 \times (((3 + 3) \times ((3^{3+3}) + 3^3)) - 3) \\ &:= ((44/4)^4) - ((4 \times (4^4 + 4)) + ((4 + 4) / 4)) \\ &:= (5 \times ((5 \times 555) - 55)) - 5/5 \\ &:= ((6 \times 6 / (6 + 6)) + 6) \times ((6 \times (6 \times (6 \times 66))) - 6/6) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) - (((7 + 7) / 7)^7)) \\ &:= ((8/8 + 8 + 8) \times (888 - 88)) - 8/8 \\ &:= 9 \times (((9 + 9) / 9)^9) + 999 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13600 &:= ((1 + 1 + 11)^{1+1}) + (11 \times (11 \times 111)) \\ &:= ((22 - 2)^2) \times ((2 \times (2^{2+2})) + 2) \\ &:= 3 + (((3^3 - 3^3)^3) - (((3 + 3)^3) + (33/3))) \\ &:= 4 \times (((4 \times (4 \times (4^4 - 44)) + 4) + 4) + 4) \\ &:= 5 \times ((5 \times 555) - 55) \\ &:= (((6 + 6) / 6)^{6+6}) + (66 \times ((6 + 6) \times (6 + 6))) \\ &:= ((7/7 + 77) + 7) \times (((777/7) + (7 \times 7))) \\ &:= (8/8 + 8 + 8) \times (888 - 88) \\ &:= 9/9 + (9 \times (((9 + 9) / 9)^9) + 999) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13601 &:= 1 + (((1 + 1 + 11)^{1+1}) + (11 \times (11 \times 111))) \\
&:= 2/2 + (((22 - 2)^2) \times ((2 \times (2^{2+2}) + 2)) \\
&:= (3/3 + 3 + 3) \times (((3 \times (3 + 3))^3) - 3)/3 \\
&:= ((44/4)^4) - (4 \times (4^4 + 4)) \\
&:= 5/5 + (5 \times ((5 \times 555) - 55)) \\
&:= (66/6) + ((6 \times (6 \times (6 \times 66))) - 666) \\
&:= 77 + ((77 + 7) \times ((77 + 77) + 7)) \\
&:= (8 \times (888 - 8)) + (((88/8) - 8)^8) \\
&:= ((9 + 9)/9) + (9 \times (((9 + 9)/9)^9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13602 &:= (((1 + 1) \times (1 + 11))^{1+1+1}) - ((1 + 1) \times 111) \\
&:= ((22 + 2)^{2/2+2}) - 222 \\
&:= ((3^3 - 3)^3) - (((3 + 3)^3) + 3) + 3 \\
&:= 4/4 + (((44/4)^4) - (4 \times (4^4 + 4))) \\
&:= ((5 + 5)/5) + (5 \times ((5 \times 555) - 55)) \\
&:= (6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) - 6 \\
&:= 7/7 + (((77 + 7) \times ((77 + 77) + 7)) + 77) \\
&:= 8/8 + ((8 \times (888 - 8)) + (((88/8) - 8)^8)) \\
&:= ((9 + 9 + 9)/9) + (9 \times (((9 + 9)/9)^9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13603 &:= (1 + ((1 + 1) \times 111)) \times ((1 + (11^{1+1}))/ (1 + 1)) \\
&:= 2/2 + (((22 + 2)^{2/2+2}) - 222) \\
&:= 3/3 + (((3^3 - 3)^3) - (((3 + 3)^3) + 3) + 3) \\
&:= ((4 + 4)/4) + (((44/4)^4) - (4 \times (4^4 + 4))) \\
&:= ((55 + 5/5) \times ((5 - (5 + 5)/5)^5)) - 5 \\
&:= 6/6 + ((6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) - 6) \\
&:= (((7 + 7)/7)^7) + (77 \times ((7 \times (7 + 7)) + 77)) \\
&:= 8 \times 8 + (((88/8) + 8) \times ((8 \times 88) + 8)) + (88/8) \\
&:= (((9 + 9)/9) + (9 \times 9)) \times (((9 + 9)/9) + (9 \times (9 + 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13604 &:= 1 + ((1 + ((1 + 1) \times 111)) \times ((1 + (11^{1+1}))/ (1 + 1))) \\
&:= 2 + (((22 + 2)^{2/2+2}) - 222) \\
&:= ((3^3 - 3)^3) - (((3 + 3)^3) + 3/3) + 3 \\
&:= 4 + (4 \times (((4 \times (4 \times (4^4 - 44)) + 4) + 4)) \\
&:= 5 + ((5 \times ((5 \times 555) - 55)) - 5/5) \\
&:= ((6 + 6)/6) + ((6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) - 6) \\
&:= (7/7 - 77) \times (77 - (((7 + 7)/7)^{7/7+7})) \\
&:= ((88/8) + 8) \times (((88 + 8)/8) + (8 \times 88)) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - ((99 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13605 &:= (11^{1+1+1+1}) - (1 + (11 + ((1 + 1)^{11-1}))) \\
&:= 2 + (((22 + 2)^{2/2+2}) - 222) + 2/2 \\
&:= ((3^3 - 3)^3) - (((3 + 3)^3) + 3) \\
&:= 4 + (((44/4)^4) - (4 \times (4^4 + 4))) \\
&:= 5 + (5 \times ((5 \times 555) - 55)) \\
&:= (6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) - (6 \times 6 / (6 + 6)) \\
&:= (((7/7 + 7) + 7) \times ((7 \times ((7 + 7)/7)^7)) + (77/7)) \\
&:= ((8 - 8/8) + 8) \times ((888 + (88/8)) + 8) \\
&:= ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13606 &:= (11^{1+1+1+1}) - (11 + ((1 + 1)^{11-1})) \\
&:= 22^2 + (2 \times ((2/2 + 2)^{2 \times (2+2)})) \\
&:= 3/3 + (((3^3 - 3)^3) - (((3 + 3)^3) + 3)) \\
&:= ((44/4)^4) - ((44/4) + (4 \times 4^4)) \\
&:= 5 + ((5 \times ((5 \times 555) - 55)) + 5/5) \\
&:= (6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) - ((6 + 6)/6) \\
&:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) - (((7 + 7)/7)^7)) + 7 \\
&:= 8 \times 8 + ((888/8) \times ((888 + 88)/8)) \\
&:= ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13607 &:= 11 + ((1 + 11) \times (11 + (11 + 1111))) \\
&:= (2 \times ((2^{2+2} - 2) \times (22^2 + 2))) - 2/2 \\
&:= ((3^3 - 3)^3) - (((3 + 3)^3) + 3/3) \\
&:= ((4 - 44)/4) + (((44/4)^4) - (4 \times 4^4)) \\
&:= 5 + ((5 \times ((5 \times 555) - 55)) + ((5 + 5)/5)) \\
&:= (6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) - 6/6 \\
&:= 7 + (((7/7 + 77) + 7) \times ((777/7) + (7 \times 7))) \\
&:= (((8 \times 8 \times 8) - 8) \times ((88/8) + 8) + 8) - 8/8 \\
&:= ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13608 &:= (1 + 11) \times (1 + (11 + (11 + 1111))) \\
&:= 2 \times ((2^{2+2} - 2) \times (22^2 + 2)) \\
&:= ((3^3 - 3)^3) - ((3 + 3)^3) \\
&:= (4^4 - 4) \times (((44 - 4)/4) + 44) \\
&:= (55 + 5/5) \times ((5 - (5 + 5)/5)^5) \\
&:= 6 \times (6 \times ((6 \times 66) - (6 + 6 + 6))) \\
&:= (7 + 7) \times (((7 + 7) \times (77 - 7)) - (7/7 + 7)) \\
&:= ((8 \times 8 \times 8) - 8) \times (((88/8) + 8) + 8) \\
&:= (9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13609 &:= 1 + ((1 + 11) \times (1 + (11 + (11 + 1111)))) \\
&:= 2/2 + (2 \times ((2^{2+2} - 2) \times (22^2 + 2))) \\
&:= 3/3 + (((3^3 - 3)^3) - ((3 + 3)^3)) \\
&:= ((44/4)^4) - (((4 \times 4^4) + 4) + 4) \\
&:= 5 + (((5 \times ((5 \times 555) - 55)) - 5/5) + 5) \\
&:= 6/6 + (6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) \\
&:= ((7 + 7) \times ((7 + 7) \times (77 - 7))) - (777/7) \\
&:= 8 + ((8 \times (888 - 8)) + (((88/8) - 8)^8)) \\
&:= 9/9 + ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13610 &:= 1 + (1 + ((1 + 11) \times (1 + (11 + (11 + 1111))))) \\
&:= 2 + (2 \times ((2^{2+2} - 2) \times (22^2 + 2))) \\
&:= 3 + (((3^3 - 3)^3) - (((3 + 3)^3) + 3/3)) \\
&:= 4 + (((44/4)^4) - ((44/4) + (4 \times 4^4))) \\
&:= 5 + ((5 \times ((5 \times 555) - 55)) + 5) \\
&:= ((6 + 6)/6) + (6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) \\
&:= 7 + ((77 \times ((7 \times (7 + 7)) + 77)) + (((7 + 7)/7)^7)) \\
&:= ((8 + 8)/8) + (((8 \times 8 \times 8) - 8) \times (((88/8) + 8) + 8)) \\
&:= ((9 + 9)/9) + ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13611 &:= 111 + (((11 - 1) \times (1 + 1 + 1))^{1+1+1}) / (1 + 1) \\
&:= 2 + (2 \times ((2^{2+2} - 2) \times (22^2 + 2))) + 2/2) \\
&:= 3 + (((3^3 - 3)^3) - ((3 + 3)^3)) \\
&:= 44 + ((4 \times (4 \times (4 \times (4^4 - 44)))) - 4/4) \\
&:= (55/5) + (5 \times ((5 \times 555) - 55)) \\
&:= (6 \times 6 \times 6 \times 6) + (((666/6)^{(6+6)/6}) - 6) \\
&:= ((7 + 7) \times (((7 + 7) \times (77 - 7)) - 7)) - (77/7) \\
&:= 8 \times 8 + (((88/8) + 8) \times (((8 \times 88) + 8/8) + 8)) \\
&:= ((99 + 9)/9) + (9 \times (((9 + 9)/9)^9) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13612 &:= (((11 \times (1 + (1 + 1 + 1 + 11))))^{1+1}) - 1) / (1 + 1) \\
&:= 2 \times (((2^{2+2} - 2) \times (22^2 + 2)) + 2) \\
&:= 3 + (((3^3 - 3)^3) - ((3 + 3)^3)) + 3/3) \\
&:= 44 + (4 \times (4 \times (4 \times (4^4 - 44)))) \\
&:= (5 \times 5^5) + (((5555 + 5)/5) - 5^5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) - ((6 + 6)/6)) \\
&:= ((7 \times 7) - (7/7 + 7)) \times (7 \times 7 \times 7 - (77/7)) \\
&:= 8 + (((88/8) + 8) \times (((88 + 8)/8) + (8 \times 8))) \\
&:= (((9 + 9)/9) + (9 \times 9)) \times (((9 + 9)/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13613 &:= (1 + ((11 \times (1 + (1 + 1 + 1 + 11))))^{1+1}) / (1 + 1) \\
&:= 2/2 + (2 \times (((2^{2+2} - 2) \times (22^2 + 2)) + 2)) \\
&:= 3 + (((3^3 - 3)^3) - (((3 + 3)^3) + 3/3)) + 3) \\
&:= ((44/4)^4) - ((4 \times 4^4) + 4) \\
&:= 5 + ((55 + 5/5) \times ((5 - (5 + 5)/5)^5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) - 6/6) \\
&:= ((7 + 7) \times (((7 + 7) \times (77 - 7)) - 7)) - ((7 + 7)/7 + 7) \\
&:= 8 + (((8 - 8/8) + 8) \times ((888 + (88/8) + 8)) \\
&:= 9 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - ((99 + 9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13614 &:= 1 + (1 + ((11 \times (1 + (1 + 1 + 1 + 11))))^{1+1}) / (1 + 1) \\
&:= 2 + (2 \times (((2^{2+2} - 2) \times (22^2 + 2)) + 2)) \\
&:= 3 + (((3^3 - 3)^3) - ((3 + 3)^3)) + 3) \\
&:= 4/4 + (((44/4)^4) - ((4 \times 4^4) + 4)) \\
&:= (5 \times (5 \times (555 - (5 + 5)))) - (55/5) \\
&:= 6 + (6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) \\
&:= ((7 + 7) \times (((7 + 7) \times (77 - 7)) - 7)) - (7/7 + 7) \\
&:= 8 + (((888/8) \times ((888 + 88)/8)) + (8 \times 8)) \\
&:= (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - ((99 + 9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13615 &:= (11^{1+1+1+1}) - (1 + (1 + ((1 + 1)^{11-1}))) \\
&:= ((2 + 2 + 2)^{2+2}) + (((222/2)^2) - 2) \\
&:= (3/3 + 3 + 3) \times (((3 \times (3 + 3))^3) + 3)/3) \\
&:= ((44/4)^4) - (((4 + 4)/4) + (4 \times 4^4)) \\
&:= (5 \times (5 \times (555 - (5 + 5)))) - (5 + 5) \\
&:= ((6 \times 6) - 6/6) \times ((6 \times 66) - (6/6 + 6)) \\
&:= ((7 + 7) \times (((7 + 7) \times (77 - 7)) - 7)) - 7 \\
&:= 8 + (((8 \times 8 \times 8) - 8) \times (((88/8) + 8) + 8)) - 8/8) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times (99 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13616 &:= (11^{1+1+1+1}) - (1 + ((1 + 1)^{11-1})) \\
&:= 2 \times (((2^{2+2} - 2) \times (22^2 + 2)) + 2) + 2) \\
&:= 3 \times 3 + (((3^3 - 3)^3) - (((3 + 3)^3) + 3/3)) \\
&:= 4 \times (4444 - (4 \times (4^4 + 4))) \\
&:= 5 + (((5555/5) - 5^5) + (5 \times 5^5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) + ((6 + 6)/6)) \\
&:= 7/7 + (((7 + 7) \times (((7 + 7) \times (77 - 7)) - 7)) - 7) \\
&:= 8 + (((8 \times 8 \times 8) - 8) \times (((88/8) + 8) + 8)) \\
&:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13617 &:= (11^{1+1+1+1}) - ((1 + 1)^{11-1}) \\
&:= ((2 + 2 + 2)^{2+2}) + (((222/2)^2) \\
&:= 3 \times (((3 + 3) \times ((3^{3+3} + 3^3)) + 3) \\
&:= ((44/4)^4) - (4 \times 4^4) \\
&:= ((55/5)^{5-5/5}) - ((5 - 5/5)^5) \\
&:= (6 \times 6 \times 6 \times 6) + (((666/6)^{(6+6)/6}) \\
&:= 7 \times 7 + (((7 + 7)/7)^7) \times (((7 \times (7 + 7)) + 7/7) + 7)) \\
&:= (8/8 + 88) \times (((8 \times 8) + 88) + 8/8) \\
&:= 9 + ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13618 &:= 1 + ((11^{1+1+1+1}) - ((1 + 1)^{11-1})) \\
&:= 22 \times (((22 + 2)^2) - 2/2) + 2 \times 22) \\
&:= 3 + ((3/3 + 3 + 3) \times (((3 \times (3 + 3))^3) + 3)/3)) \\
&:= 4/4 + (((44/4)^4) - (4 \times 4^4)) \\
&:= ((55 + 55)/5) \times (((5^5 - 5)/5) - 5) \\
&:= (66/6) \times (((66/6) \times ((666 + 6)/6)) + 6) \\
&:= (77 \times (((7 + 7)/7)^7) + (7 \times 7)) - (77/7) \\
&:= 8/8 + ((8/8 + 88) \times (((8 \times 8) + 88) + 8/8)) \\
&:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13619 &:= ((1 + 11) \times (111 + ((1 + 1)^{11-1}))) - 1 \\
&:= 2 + (((2 + 2 + 2)^{2+2}) + (((222/2)^2)) \\
&:= (33/3) + (((3^3 - 3)^3) - ((3 + 3)^3)) \\
&:= ((4 + 4)/4) + (((44/4)^4) - (4 \times 4^4)) \\
&:= (5 \times (5 \times (555 - (5 + 5)))) - (5/5 + 5) \\
&:= (66/6) + (6 \times (6 \times ((6 \times 66) - (6 + 6 + 6)))) \\
&:= 7 + (((7 \times 7) - (7/7 + 7)) \times (7 \times 7 \times 7 - (77/7))) \\
&:= 88/8 + (((8 \times 8 \times 8) - 8) \times (((88/8) + 8) + 8)) \\
&:= (99/9) + ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13620 &:= (1 + 11) \times (111 + ((1 + 1)^{11-1})) \\
&:= (2 + 2 + 2) \times ((2^{22/2}) + 222) \\
&:= 3 + (((3^3 - 3)^3) - ((3 + 3)^3)) + 3 \times 3) \\
&:= (4 - 4/4) \times (444 + ((4 + 4)^4)) \\
&:= (5 \times (5 \times (555 - (5 + 5)))) - 5 \\
&:= (66 - 6) \times ((6 \times 6 \times 6) + (66/6)) \\
&:= ((7 + 7) \times (((7 + 7) \times (77 - 7)) - 7)) - ((7 + 7)/7) \\
&:= ((8 - 8/8) + 8) \times (((88 + 8)/8) + 888) + 8) \\
&:= ((99 + 9)/9) + ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13621 &:= 1 + ((1 + 11) \times (111 + ((1 + 1)^{11-1}))) \\
&:= 2 + (((2 + 2 + 2)^{2+2}) + ((222/2)^2) + 2) \\
&:= (((3/3 + 3)^3) \times (((3 + 3)^3) - 3)) - (33/3) \\
&:= 4 + (((44/4)^4) - (4 \times 4^4)) \\
&:= 5/5 + ((5 \times (5 \times (555 - (5 + 5)))) - 5) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((6 \times 66) - (6/6 + 6))) \\
&:= ((7 + 7) \times (((7 + 7) \times (77 - 7)) - 7)) - 7/7 \\
&:= ((8 \times 8) - 88/8) \times (((8 + 8) \times (8 + 8)) + 8/8) \\
&:= 9 + (((9 + 9)/9) + (9 \times 9)) \times (((9 + 9)/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13622 &:= 1 + (1 + ((1 + 11) \times (111 + ((1 + 1)^{11-1})))) \\
&:= 2 + ((2 + 2 + 2) \times ((2^{22/2}) + 222)) \\
&:= 3 + (((3^3 - 3)^3) - ((3 + 3)^3)) + (33/3) \\
&:= 4 + (((44/4)^4) - (4 \times 4^4)) + 4/4 \\
&:= (((5 + 5)/5 + 5)^5) - ((55 + 5^5) + 5) \\
&:= ((6 + 6)/6) + ((66 - 6) \times ((6 \times 6 \times 6) + (66/6))) \\
&:= (7 + 7) \times (((7 + 7) \times (77 - 7)) - 7) \\
&:= ((8 - 88)/8) + ((8 + 8 + 8) \times ((8 \times (8 \times 8) + 8)) - 8) \\
&:= (99 - 9/9) \times (((999 + 9)/9) + 9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13623 &:= 1 + (1 + (1 + ((1 + 11) \times (111 + ((1 + 1)^{11-1})))))) \\
&:= ((22 - 2)^2) + (((222/2) + 2) + 2)^2 - 2) \\
&:= ((3^3 - 3)^3) - ((33 \times (3 + 3)) + 3) \\
&:= 4 + (((44/4)^4) - (4 \times 4^4)) + ((4 + 4)/4) \\
&:= (5 \times (5 \times (555 - (5 + 5)))) - ((5 + 5)/5) \\
&:= (((666/6) + 6)^{(6+6)/6}) - 66 \\
&:= 7/7 + ((7 + 7) \times (((7 + 7) \times (77 - 7)) - 7)) \\
&:= ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) - (8/8 + 8) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13624 &:= (1 + 1 + 11) \times (((1 + 1)^{11}) - ((11 - 1)^{1+1+1})) \\
&:= 2 \times ((22 + 2 + 2) \times (22^2 - 222)) \\
&:= 3/3 + (((3^3 - 3)^3) - ((33 \times (3 + 3)) + 3)) \\
&:= 4 + ((4 - 4/4) \times (444 + ((4 + 4)^4))) \\
&:= (5 \times (5 \times (555 - (5 + 5)))) - 5/5 \\
&:= 6/6 + (((666/6) + 6)^{(6+6)/6}) - 66 \\
&:= ((7 + 7)/7) + ((7 + 7) \times (((7 + 7) \times (77 - 7)) - 7)) \\
&:= ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) - 8 \\
&:= 9 + (9 - ((9 + 9)/9)) \times (((9 + 9) \times (99 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13625 &:= (111 - (1 + 1)) \times (1 + (1 + (1 + (1 + (11^{1+1})))))) \\
&:= ((22 - 2)^2) + (((222/2) + 2) + 2)^2) \\
&:= ((3^3 - 3)^3) - ((33 \times (3 + 3)) + 3/3) \\
&:= 4 + (((44/4)^4) - (4 \times 4^4)) + 4) \\
&:= 5 \times (5 \times (555 - (5 + 5))) \\
&:= 666 + ((6 \times (6 \times (6 \times (66 - 6)))) - 6/6) \\
&:= ((77/7 + 7) + 7) \times (((7 \times 77) - 7/7) + 7) \\
&:= 8 + ((8/8 + 88) \times (((8 \times 8) + 88) + 8/8)) \\
&:= (((9 + 9)/9)^9) + ((9 \times (9 \times (9 \times (9 + 9)))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13626 &:= (1 + (1 + (((1 + 1 + 1)^{11}) - 11)))/(1 + 1 + 11) \\
&:= (2 \times ((2 \times (2 \times 22 - 2))^2) - (22^2 + 2) \\
&:= ((3^3 - 3)^3) - (33 \times (3 + 3)) \\
&:= 4 + (((44/4)^4) - (4 \times 4^4)) + 4/4 + 4) \\
&:= 5/5 + (5 \times (5 \times (555 - (5 + 5)))) \\
&:= 666 + (6 \times (6 \times (6 \times (66 - 6)))) \\
&:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) + 77) + 7) \\
&:= (8 \times 8 \times 8) + (((8 + 8)/8) \times (((88/8) - 8)^8)) - 8) \\
&:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13627 &:= (1 + (1 + (1 + (1 + ((1 + 1 + 1)^{11})))))/(1 + 1 + 11) \\
&:= 2 + (((222/2) + 2) + 2)^2) + ((22 - 2)^2) \\
&:= 3/3 + (((3^3 - 3)^3) - (33 \times (3 + 3))) \\
&:= ((44/4)^4) + (((44 - 4)/4) - (4 \times 4^4)) \\
&:= (((5 + 5)/5 + 5)^5) - (55 + 5^5) \\
&:= 6/6 + ((6 \times (6 \times (6 \times (66 - 6)))) + 666) \\
&:= (77 \times (((7 + 7)/7)^7) + (7 \times 7)) - ((7 + 7)/7) \\
&:= (((88/8) + 8) + 8) \times (((8 \times 8 \times 8) - 8) + 8/8)) - 8 \\
&:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9)) + 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13628 &:= 11 + ((11^{1+1+1+1}) - ((1 + 1)^{11-1})) \\
&:= (2 \times ((2 \times (2 \times 22 - 2))^2) - 22^2 \\
&:= 3 + (((3^3 - 3)^3) - ((33 \times (3 + 3)) + 3/3)) \\
&:= (4 \times (4 \times ((4 \times (4^4 - 44) + 4))) - 4 \\
&:= 5 + ((5 \times (5 \times (555 - (5 + 5)))) - ((5 + 5)/5)) \\
&:= 666 + ((6 \times (6 \times (6 \times (66 - 6)))) + ((6 + 6)/6)) \\
&:= (77 \times (((7 + 7)/7)^7) + (7 \times 7)) - 7/7 \\
&:= ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) - (8 \times 8/(8 + 8)) \\
&:= 9 + ((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13629 &:= 11 \times ((11 \times 111) + ((1 + 1) \times (11 - 1 - 1))) \\
&:= (22 - 2/2) \times (((2 + 2 + 2)^{2+2}) + 2)/2) \\
&:= 3 + (((3^3 - 3)^3) - (33 \times (3 + 3))) \\
&:= (4 \times (4 - 4^4)) + (((44/4)^4) - 4) \\
&:= 5 + ((5 \times (5 \times (555 - (5 + 5)))) - 5/5) \\
&:= 6 + (((666/6) + 6)^{(6+6)/6}) - 66 \\
&:= 77 \times (((7 + 7)/7)^7) + (7 \times 7) \\
&:= (88/8) \times ((8888/8) + (8 \times (8 + 8))) \\
&:= (((99 + 9)/9) + 9) \times ((9 \times ((9 \times 9) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13630 &:= (11 - 1) \times ((11 \times (1 + (1 + (1 + (11^{1+1})))))) - 1) \\
&:= 2 + ((2 \times ((2 \times (2 \times 22 - 2))^2) - 22^2) \\
&:= 3 + (((3^3 - 3)^3) - (33 \times (3 + 3))) + 3/3) \\
&:= 4/4 + (((44/4)^4) - 4) + (4 \times (4 - 4^4))) \\
&:= 5 + (5 \times (5 \times (555 - (5 + 5)))) \\
&:= ((6 - 6/6)^6) + ((6 - (6 \times 666))/(6 + 6)/6) \\
&:= 7/7 + (77 \times (((7 + 7)/7)^7) + (7 \times 7)) \\
&:= ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) - ((8 + 8)/8) \\
&:= 9 + (((9 + 9)/9) + (9 \times 9)) \times (((9 + 9)/9) + (9 \times (9 + 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13631 &:= 11 + ((1 + 11) \times (111 + ((1 + 1)^{11-1}))) \\
 &:= ((222/2) \times (((22/2)^2) + 2)) - 22 \\
 &:= (((3/3 + 3)^3) \times (((3 + 3)^3) - 3)) - 3/3 \\
 &:= (4 \times (4 \times ((4 \times (4^4 - 44) + 4))) - 4/4 \\
 &:= 5 + ((5 \times (5 \times (555 - (5 + 5)))) + 5/5) \\
 &:= 6 + (((6 \times (6 \times (6 \times (66 - 6)))) - 6/6) + 666) \\
 &:= ((7 + 7)/7) + (77 \times (((7 + 7)/7)^7) + (7 \times 7)) \\
 &:= ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) - 8/8 \\
 &:= (99 \times (99 + 9 + 9)) + (((9 + 9)/9)^{99/9})
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13632 &:= (1 + 11) \times (1 + (111 + ((1 + 1)^{11-1}))) \\
 &:= (22 + 2) \times (((22 + 2)^2) - (2 \times (2 + 2))) \\
 &:= ((3/3 + 3)^3) \times (((3 + 3)^3) - 3) \\
 &:= 4 \times (4 \times ((4 \times (4^4 - 44) + 4))) \\
 &:= 5 + (((((5 + 5)/5) + 5)^5) - (55 + 5^5)) \\
 &:= 6 + ((6 \times (6 \times (6 \times (66 - 6)))) + 666) \\
 &:= 7 + (((77/7 + 7) + 7) \times (((7 \times 77) - 7/7) + 7)) \\
 &:= (8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8) \\
 &:= ((9 \times 9) - (9/9 + 9)) \times ((999/9) + (9 \times 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13633 &:= 1 + ((1 + 11) \times (1 + (111 + ((1 + 1)^{11-1})))) \\
 &:= (((((22/2)^2) - 2)^2) - (22 \times (22 + 2))) \\
 &:= 3/3 + (((3/3 + 3)^3) \times (((3 + 3)^3) - 3)) \\
 &:= (4 \times (4 - 4^4)) + ((44/4)^4) \\
 &:= 5 \times 5 + ((55 + 5/5) \times ((5 - (5 + 5)/5)^5)) \\
 &:= ((6 - 6/6)^6) + ((66 \times (6 - 6 \times 6)) - (6 + 6)) \\
 &:= (77/7) + ((7 + 7) \times (((7 + 7) \times (77 - 7)) - 7)) \\
 &:= 8/8 + ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) \\
 &:= (((9 + 9)/9)^9) + ((9 \times (9 \times (9 \times (9 + 9)))) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13634 &:= 1 + (1 + ((1 + 11) \times (1 + (111 + ((1 + 1)^{11-1})))))) \\
 &:= 2 + ((22 + 2) \times (((22 + 2)^2) - (2 \times (2 + 2)))) \\
 &:= 3 + (((3/3 + 3)^3) \times (((3 + 3)^3) - 3)) - 3/3 \\
 &:= 4/4 + ((4 \times (4 - 4^4)) + ((44/4)^4)) \\
 &:= 5 + (((5 \times (5 \times (555 - (5 + 5)))) - 5/5) + 5) \\
 &:= ((6 \times 6) - ((6 + 6)/6)) \times (((6 \times 66) - 6/6) + 6) \\
 &:= 7 + (77 \times (((7 + 7)/7)^7) + (7 \times 7)) - ((7 + 7)/7) \\
 &:= (8 \times 8 \times 8) + (((8 + 8)/8) \times (((88/8) - 8)^8)) \\
 &:= (((9 + 9)/9)^9) + (9 \times (9 \times (9 \times (9 + 9))))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13635 &:= (1 + ((11 - 1)^{1+1})) \times (1 + (1 + (1 + (11 \times (1 + 11)))))) \\
 &:= 2 + (((((22/2)^2) - 2)^2) - (22 \times (22 + 2))) \\
 &:= 3 + (((3/3 + 3)^3) \times (((3 + 3)^3) - 3)) \\
 &:= 4 + ((4 \times (4 \times ((4 \times (4^4 - 44) + 4))) - 4/4) \\
 &:= 5 + ((5 \times (5 \times (555 - (5 + 5)))) + 5) \\
 &:= 6 + (((((666/6) + 6)^{(6+6)/6}) - 66) + 6) \\
 &:= 7 + (77 \times (((7 + 7)/7)^7) + (7 \times 7)) - 7/7 \\
 &:= (((88/8) + 8) + 8) \times (((8 \times 8 \times 8) - 8) + 8/8) \\
 &:= 999 + ((99 + 9) \times (99 + 9 + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13636 &:= (((11^{1+1}) + ((1 + 1 + 1)^{11}))/ (1 + 1 + 11)) \\
 &:= (2^{2+2} - 2) \times ((2 \times (22^2 + 2)) + 2) \\
 &:= 3 + (((3/3 + 3)^3) \times (((3 + 3)^3) - 3)) + 3/3 \\
 &:= 4 + (4 \times (4 \times ((4 \times (4^4 - 44) + 4))) \\
 &:= (55/5) + (5 \times (5 \times (555 - (5 + 5)))) \\
 &:= (6 \times ((6 \times ((6 \times 66) - 6)) - 66)) - ((6 + 6)/6 + 6) \\
 &:= 7 + (77 \times (((7 + 7)/7)^7) + (7 \times 7)) \\
 &:= (8 \times 8/(8 + 8)) + ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) \\
 &:= 9/9 + (((99 + 9) \times (99 + 9 + 9)) + 999)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13637 &:= 1 + (((11^{1+1}) + ((1 + 1 + 1)^{11}))/ (1 + 1 + 11)) \\
 &:= 2/2 + ((2^{2+2} - 2) \times ((2 \times (22^2 + 2)) + 2)) \\
 &:= (33/3) + (((3^3 - 3)^3) - (33 \times (3 + 3))) \\
 &:= 4 + ((4 \times (4 - 4^4)) + ((44/4)^4)) \\
 &:= 5 + (((((5 + 5)/5) + 5)^5) - (55 + 5^5)) + 5) \\
 &:= (6 \times ((6 \times ((6 \times 66) - 6)) - 66)) - (6/6 + 6) \\
 &:= 7 + (77 \times (((7 + 7)/7)^7) + (7 \times 7)) + 7/7 \\
 &:= 8 + ((88/8) \times ((8888/8) + (8 \times (8 + 8)))) \\
 &:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9)) + (99/9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13638 &:= ((111 - 1) \times (1 + (1 + (1 + (11^{1+1})))))) - (1 + 1) \\
 &:= (22 \times (((22 + 2)^2) + 2 \times 22)) - 2 \\
 &:= 3 + (((3/3 + 3)^3) \times (((3 + 3)^3) - 3)) + 3 \\
 &:= 4 + (((4 \times (4 - 4^4)) + ((44/4)^4)) + 4/4) \\
 &:= (5 \times (5 \times ((5 + 5) \times 55))) - ((555 + 5)/5) \\
 &:= (6 \times ((6 \times ((6 \times 66) - 6)) - 66)) - 6 \\
 &:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) - (((7 + 7)/7)^7)) \\
 &:= 8 + (((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) - ((8 + 8)/8)) \\
 &:= 9 + (((99 + 9)/9) + 9) \times ((9 \times ((9 \times 9) - 9)) + 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13639 &:= ((111 - 1) \times (1 + (1 + (1 + (11^{1+1})))))) - 1 \\
 &:= (22 \times (((22 + 2)^2) + 2 \times 22)) - 2/2 \\
 &:= 33333 - ((3^3 \times 3) + (33/3)) \\
 &:= ((4 - 444) \times (4/4 - 4 \times (4 + 4))) - 4/4 \\
 &:= (5 \times (5 \times ((5 + 5) \times 55))) - (555/5) \\
 &:= ((6 - 6/6)^6) + ((66 \times (6 - 6 \times 6)) - 6) \\
 &:= ((77 - 7)/7) + (77 \times (((7 + 7)/7)^7) + (7 \times 7)) \\
 &:= 8 + (((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) - 8/8) \\
 &:= (((99 + 99) + 9)/9) \times (((9 + 9)/9)^9) + (9 \times 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 13640 &:= (111 - 1) \times (1 + (1 + (1 + (11^{1+1})))) \\
 &:= 22 \times (((22 + 2)^2) + 2 \times 22) \\
 &:= ((3 \times 3) + 3/3) \times (((33/3)^3) + 33) \\
 &:= (4 - 444) \times (4/4 - 4 \times (4 + 4)) \\
 &:= 55 \times (((5 - (5 + 5)/5)^5) + 5) \\
 &:= 6 + (((6 \times 6) - ((6 + 6)/6)) \times (((6 \times 66) - 6/6) + 6)) \\
 &:= (((7 + 7)/7)^{7+7}) - (7 \times (7 \times (7 \times 7))) \\
 &:= 8 + ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) \\
 &:= (99/9) \times (((9 + 9)/9)^9) - 9/9 + (9 \times (9 \times 9))
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13641 &:= 1 + ((111 - 1) \times (1 + (1 + (1 + (11^{1+1})))))) \\
&:= 2/2 + (22 \times (((22 + 2)^2) + 2 \times 22)) \\
&:= 33 + (((3^3 - 3)^3) - ((3 + 3)^3)) \\
&:= 4 + (((4 \times (4 - 4^4)) + ((44/4)^4) + 4) \\
&:= 5/5 + (55 \times (((5 - (5 + 5)/5)^5) + 5)) \\
&:= (666/6) + (66 \times ((6 \times 6 \times 6) - (66/6))) \\
&:= 7/7 + (((7 + 7)/7)^{7+7}) - (7 \times (7 \times (7 \times 7 + 7))) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) + 8/8) \\
&:= 9 + (((9 \times 9) - (9/9 + 9)) \times ((999/9) + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13642 &:= (111 \times (1 + (1 + (11^{1+1})))) - 11 \\
&:= 2 + (22 \times (((22 + 2)^2) + 2 \times 22)) \\
&:= ((33/3)^{3/3+3}) - (3 \times 333) \\
&:= ((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4^4 + 4) \\
&:= ((5 + 5)/5) + (55 \times (((5 - (5 + 5)/5)^5) + 5)) \\
&:= (((6 + 6)/6) + (6 \times 6)) \times ((6 \times (66 - 6)) - 6/6) \\
&:= ((7 + 7) \times ((7 + 7) \times (77 - 7))) - (7/7 + 77) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) + ((8 + 8)/8)) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13643 &:= 1 + ((111 \times (1 + (1 + (11^{1+1})))) - 11) \\
&:= (((((22/2)^2) - (2 + 2))^2) - (2 \times 22 + 2)) \\
&:= 3 + (((3 \times 3) + 3/3) \times (((33/3)^3) + 33)) \\
&:= 444 + ((44 \times (44 + 4^4)) - 4/4) \\
&:= 5 + ((5 \times (5 \times ((5 + 5) \times 55))) - ((555 + 5)/5)) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - 66)) - 6/6 \\
&:= ((7 + 7) \times ((7 + 7) \times (77 - 7))) - 77 \\
&:= 88/8 + ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9)))) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13644 &:= 1111 + (((1 + 111)^{1+1}) - 11) \\
&:= 2 + (22 \times (((22 + 2)^2) + 2 \times 22) + 2) \\
&:= ((3^3 - 3)^3) + ((3 + 3) \times (3 - 33)) \\
&:= 444 + (44 \times (44 + 4^4)) \\
&:= 5 + ((5 \times (5 \times ((5 + 5) \times 55))) - (555/5)) \\
&:= 6 \times ((6 \times ((6 \times 66) - 6)) - 66) \\
&:= 7/7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) - 77) \\
&:= ((88 + 8)/8) + ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) \\
&:= (9 + 9) \times (((9 \times (9 \times 9)) + (99/9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13645 &:= 1 + (1111 + (((1 + 111)^{1+1}) - 11)) \\
&:= (((((22/2)^2) - (2 + 2))^2) - (2 \times 22)) \\
&:= 3 + (((33/3)^{3/3+3}) - (3 \times 333)) \\
&:= 44 + (((44/4)^4) - (4 \times (4^4 + 4))) \\
&:= 5 + (55 \times (((5 - (5 + 5)/5)^5) + 5)) \\
&:= ((6 - 6/6)^6) + (66 \times (6 - 6 \times 6)) \\
&:= 7 + ((7 - 7/7) \times ((7 \times (7 \times 7 + 7)) - (((7 + 7)/7)^7))) \\
&:= ((888/8) \times (((888 + 88) + 8)/8)) - 8 \\
&:= 9/9 + ((9 + 9) \times (((9 \times (9 \times 9)) + (99/9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13646 &:= 1 + (1 + (1111 + (((1 + 111)^{1+1}) - 11))) \\
&:= 2 + (((22 \times (((22 + 2)^2) + 2 \times 22)) + 2) + 2) \\
&:= 33333 - (((3^{3 \times 3}) + 3/3) + 3) \\
&:= 4 + (((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 4^4 + 4)) \\
&:= 5 + ((55 \times (((5 - (5 + 5)/5)^5) + 5)) + 5/5) \\
&:= 6/6 + ((66 \times (6 - 6 \times 6)) + ((6 - 6/6)^6)) \\
&:= ((777/7) \times (((777 + 77) + 7)/7)) - 7 \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) - ((8 + 8)/8) + 8) \\
&:= ((9 + 9)/9) \times (((9/9 + (9 \times 9))^{(9+9)/9}) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13647 &:= (111 \times (1 + (1 + (11^{1+1})))) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= 2 + (((((22/2)^2) - (2 + 2))^2) - (2 \times 22)) \\
&:= 33333 - ((3^{3 \times 3}) + 3) \\
&:= (4 \times ((4 \times ((4 \times (4^4 - 44) + 4)) + 4)) - 4/4) \\
&:= (((5 + 5)/5) + 5)^5 - (((5 \times 5) + 5^5) + 5) + 5 \\
&:= (((666/6) + 6)^{(6+6)/6}) - (6 \times 6 + 6) \\
&:= 7 + (((7 + 7)/7)^{7+7}) - (7 \times (7 \times (7 \times 7 + 7))) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) - 8/8 + 8) \\
&:= 9 + (((99 + 9)/9) + 9) \times ((9 \times ((9 \times 9) - 9)) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13648 &:= (111^{1+1}) + ((11^{1+1+1}) - (1 + 1 + 1 + 1)) \\
&:= ((22 + 2)^{2/2+2}) - (2 \times (2 \times 2 \times 22)) \\
&:= 3/3 + (33333 - ((3^{3 \times 3}) + 3)) \\
&:= 4 \times ((4 \times ((4 \times (4^4 - 44) + 4)) + 4) \\
&:= (5 \times ((5 \times (555 - (5 + 5)))) + 5) - ((5 + 5)/5) \\
&:= (((6 \times 6) - 6/6) \times ((6 \times 66) - 6)) - ((6 + 6)/6) \\
&:= (((7 + 7)/7 + 7) + 7) \times (((77 \times 77) - 7)/7) + 7 \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) + 8) \\
&:= 9 + (((99 + 99) + 9)/9) \times (((9 + 9)/9)^9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13649 &:= (111^{1+1}) + ((11^{1+1+1}) - (1 + 1 + 1)) \\
&:= (2 \times (2 - 22)) + (((22/2)^2) - (2 + 2))^2) \\
&:= 33333 - ((3^{3 \times 3}) + 3/3) \\
&:= ((44/4)^4) + (4 \times ((4 - 4^4) + 4)) \\
&:= (5 \times ((5 \times (555 - (5 + 5)))) + 5) - 5/5 \\
&:= (((6 \times 6) - 6/6) \times ((6 \times 66) - 6)) - 6/6 \\
&:= ((77 - 7) \times (((7 + 7) \times (7 + 7)) - 7/7)) - 7/7 \\
&:= (8 \times 888) + (((88/8) - 8)^8) - (8 + 8) \\
&:= 9 + ((99/9) \times (((9 + 9)/9)^9) - 9/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13650 &:= (11 - 1) \times (((1 + 1)^{1+1}) - 1)/(1 + 1 + 1)) \\
&:= (22 + 2 + 2) \times (((22 + 2/2)^2) - (2 + 2)) \\
&:= 33333 - (3^{3 \times 3}) \\
&:= 4/4 + ((4 \times ((4 - 4^4) + 4)) + ((44/4)^4)) \\
&:= 5 \times ((5 \times (555 - (5 + 5)))) + 5 \\
&:= ((6 \times 6) - 6/6) \times ((6 \times 66) - 6) \\
&:= (77 - 7) \times (((7 + 7) \times (7 + 7)) - 7/7) \\
&:= (8 \times 8 \times 8) + (((8 + 8)/8) \times (((88/8) - 8)^8) + 8) \\
&:= (9/9 + 9) \times ((9 \times ((9 \times (9 + 9)) - 9)) - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13651 &:= 11 \times ((11 \times (1 + (1 + 111))) - (1 + 1)) \\
&:= ((222/2) \times (((22/2)^2) + 2)) - 2 \\
&:= 3/3 + (33333 - (3^{3 \times 3})) \\
&:= 4 + ((4 \times ((4 \times ((4 \times (4^4 - 44) + 4)) + 4)) - 4/4) \\
&:= 5/5 + (5 \times ((5 \times (555 - (5 + 5))) + 5)) \\
&:= 6 + ((66 \times (6 - 6 \times 6)) + ((6 - 6/6)^6)) \\
&:= 7/7 + (((77 - 7) \times (((7 + 7) \times (7 + 7)) - 7/7)) \\
&:= 8 + (((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8)) + (88/8)) \\
&:= (99/9) \times (((9 + 9)/9)^9) + (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13652 &:= (111^{1+1}) + (11^{1+1+1}) \\
&:= 2 \times (((2^{2+2} - 2) \times (22^2 + 2)) + 22) \\
&:= 3 + (33333 - ((3^{3 \times 3}) + 3/3)) \\
&:= 4 + (4 \times ((4 \times ((4 \times (4^4 - 44) + 4)) + 4)) \\
&:= (((5 + 5)/5) + 5)^5 - (((5 \times 5) + 5^5) + 5) \\
&:= ((6 + 6)/6) + (((6 \times 6) - 6/6) \times ((6 \times 66) - 6)) \\
&:= ((7 + 7)/7) + (((77 - 7) \times (((7 + 7) \times (7 + 7)) - 7/7)) \\
&:= ((8 + 8) \times 888) - ((8888 + 8)/(8 + 8)) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + (((9 + 9)/9)^9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13653 &:= 111 \times (1 + (1 + (11^{1+1}))) \\
&:= (222/2) \times (((22/2)^2) + 2) \\
&:= 3 + (33333 - (3^{3 \times 3})) \\
&:= 4 + ((4 \times ((4 - 4^4) + 4)) + ((44/4)^4)) \\
&:= (555/5) \times ((5 \times 5 \times 5) - ((5 + 5)/5)) \\
&:= (666/6) \times (((666/6) + 6) + 6) \\
&:= (777/7) \times (((777 + 77) + 7)/7) \\
&:= (888/8) \times (((888 + 88) + 8)/8) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (99 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13654 &:= 1 + (111 \times (1 + (1 + (11^{1+1})))) \\
&:= 2/2 + ((222/2) \times (((22/2)^2) + 2)) \\
&:= 3 + ((33333 - (3^{3 \times 3})) + 3/3) \\
&:= 4 + (((4 \times ((4 - 4^4) + 4)) + ((44/4)^4)) + 4/4) \\
&:= 5 + ((5 \times ((5 \times (555 - (5 + 5))) + 5)) - 5/5) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((6 \times 66) - 6)) - ((6 + 6)/6) \\
&:= 7 + (((((7 + 7)/7)^{7+7}) - (7 \times (7 \times (7 \times 7 + 7)))) + 7) \\
&:= (8 \times 888) + (((888/8) - 8)^8) - 88/8 \\
&:= 9/9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (99 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13655 &:= 1111 + ((1 + 111)^{1+1}) \\
&:= 2 + ((222/2) \times (((22/2)^2) + 2)) \\
&:= 3 + ((33333 - ((3^{3 \times 3}) + 3/3)) + 3) \\
&:= 4^4 + ((4444/4) + (4^4 \times (44 + 4))) \\
&:= 5 + (5 \times ((5 \times (555 - (5 + 5))) + 5)) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((6 \times 66) - 6)) - 6/6 \\
&:= (7 \times 7 \times 7) + (((7 + 7)/7)^7) \times ((777/7) - 7) \\
&:= ((8 + 8 + 8) \times (((8 \times ((8 \times 8) + 8)) - 8) + 8/8)) - 8/8 \\
&:= (((999 + 9)/9) \times ((999 + 99)/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13656 &:= 1 + (1111 + ((1 + 111)^{1+1})) \\
&:= 2 + (((222/2) \times (((22/2)^2) + 2)) + 2/2) \\
&:= 3 + ((33333 - (3^{3 \times 3})) + 3) \\
&:= 4 + ((4 \times ((4 \times ((4 \times (4^4 - 44) + 4)) + 4)) + 4) \\
&:= ((5 \times 5) - 5/5) \times (((5^5 - 5)/5) - 55) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((6 \times 66) - 6)) \\
&:= 7 + (((77 - 7) \times (((7 + 7) \times (7 + 7)) - 7/7)) - 7/7) \\
&:= (8 + 8 + 8) \times (((8 \times ((8 \times 8) + 8)) - 8) + 8/8) \\
&:= ((99 + 9)/9) \times (((9999/9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13657 &:= 1 + (1 + (1111 + ((1 + 111)^{1+1}))) \\
&:= 2 + (((222/2) \times (((22/2)^2) + 2)) + 2) \\
&:= ((3^3 - 3)^3) - (((3 \times 333) + 3)/(3 + 3)) \\
&:= 44 + (((44/4)^4) - ((4 \times 4^4) + 4)) \\
&:= (((5 + 5)/5) + 5)^5 - ((5 \times 5) + 5^5) \\
&:= 6 + (((66 \times (6 - 6 \times 6)) + ((6 - 6/6)^6)) + 6) \\
&:= 7 + (((77 - 7) \times (((7 + 7) \times (7 + 7)) - 7/7)) \\
&:= (8 \times 888) + (((888/8) - 8)^8) - 8 \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times (99 + 9)) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13658 &:= 1 + (1 + (1 + (1111 + ((1 + 111)^{1+1})))) \\
&:= 22 + (((2^{2+2} - 2) \times ((2 \times (22^2 + 2)) + 2)) \\
&:= ((3^3 - 3)^3) + ((3 - (3 \times 333))/(3 + 3)) \\
&:= ((44/((4 + 4)/4)) \times (((4/4 + 4)^4) - 4)) - 4 \\
&:= 5 + ((555/5) \times ((5 \times 5 \times 5) - ((5 + 5)/5))) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((6 \times 66) - 6)) + ((6 + 6)/6) \\
&:= 7 + (((77 - 7) \times (((7 + 7) \times (7 + 7)) - 7/7)) + 7/7) \\
&:= 8/8 + (((888/8) - 8)^8) - 8 + (8 \times 888) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) + 9)) - 9) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13659 &:= (11 \times ((11 \times (1 + (1 + 111))) - 1)) - (1 + 1 + 1) \\
&:= 2 + (((222/2) \times (((22/2)^2) + 2)) + 2) + 2) \\
&:= ((3^3 - 3)^3) - (((3 + 3) \times 3^3) + 3) \\
&:= 44 + (((44/4)^4) - (((4 + 4)/4) + (4 \times 4^4))) \\
&:= 5 + (((5 \times ((5 \times (555 - (5 + 5))) + 5)) - 5/5) + 5) \\
&:= 6 + ((666/6) \times (((666/6) + 6) + 6)) \\
&:= 7 + (((77 - 7) \times (((7 + 7) \times (7 + 7)) - 7/7)) + (7 + 7)/7) \\
&:= (8/8 - 88) \times (((888/8) \times (8/8 - (8 + 8))) + 8) \\
&:= (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13660 &:= (11 \times ((11 \times (1 + (1 + 111))) - 1)) - (1 + 1) \\
&:= 2 \times ((2 \times ((2 \times (22 + 2))^2)) + 2222) \\
&:= 3/3 + (((3^3 - 3)^3) - (((3 + 3) \times 3^3) + 3)) \\
&:= 4444 + (4^4 \times ((4 \times (4 + 4)) + 4)) \\
&:= 5 + ((5 \times ((5 \times (555 - (5 + 5))) + 5)) + 5) \\
&:= ((66 - 6)/6) + (((6 \times 6) - 6/6) \times ((6 \times 66) - 6)) \\
&:= 7 + ((777/7) \times (((777 + 77) + 7)/7)) \\
&:= 8 + (((8 + 8) \times 888) - ((8888 + 8)/(8 + 8))) \\
&:= 9 + ((99/9) \times (((9 + 9)/9)^9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13661 &:= (11 \times ((11 \times (1 + (1 + 111))) - 1)) - 1 \\
&:= (2 \times (2 + 2)) + ((222/2) \times (((22/2)^2) + 2)) \\
&:= ((3^3 - 3^3) - (((3 + 3) \times 3^3) + 3/3)) \\
&:= 44 + (((44/4)^4) - (4 \times 4^4)) \\
&:= 5 + (((5 \times 5) - 5/5) \times (((5^5 - 5)/5) - 55)) \\
&:= (66/6) + (((6 \times 6) - 6/6) \times ((6 \times 66) - 6)) \\
&:= (7 \times 77) + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7)) \\
&:= ((88/8) + 8) \times (((8 \times 88) - 8/8) + 8) + 8 \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13662 &:= 11 \times ((11 \times (1 + (1 + 111))) - 1) \\
&:= 22 \times (((2/2 + 2 + 2)^{2+2}) - (2 + 2)) \\
&:= 33 \times ((3 \times 3^3) + 333) \\
&:= (44/(4 + 4)/4) \times (((4/4 + 4)^4) - 4) \\
&:= 5 + (((((5 + 5)/5) + 5)^5) - ((5 \times 5) + 5^5)) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((6 \times 66) - 6)) + 6 \\
&:= (77/7 + 7) \times (777 - (77/7 + 7)) \\
&:= (8/8 + 8) \times (((888 - 8)/8) + (88 \times (8 + 8))) \\
&:= 99 \times (((999/9) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13663 &:= ((1 + 111) \times (1 + (11^{1+1}))) - 1 \\
&:= (((((22/2)^2) - (2 + 2))^2) - (22 + 2 + 2)) \\
&:= 3/3 + (33 \times ((3 \times 3^3) + 333)) \\
&:= (4 \times (4444 - 4)) - (((4 + 4)^4) + 4/4) \\
&:= 55 + ((55 + 5/5) \times ((5 - (5 + 5)/5)^5)) \\
&:= ((6 - 6/6)^6) - ((6 \times 6 \times 6 \times 6) + 666) \\
&:= ((7 + 7) \times ((7 + 7) \times (77 - 7))) - ((7/7 + (7 \times 7)) + 7) \\
&:= (8 \times 888) + (((88/8) - 8)^8) - ((8 + 8)/8) \\
&:= 9/9 + (99 \times (((999/9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13664 &:= (1 + 111) \times (1 + (11^{1+1})) \\
&:= 2 \times ((2^{2+2} - 2) \times ((22^2 + 2) + 2)) \\
&:= 3 + (((3^3 - 3^3)^3) - (((3 + 3) \times 3^3) + 3/3)) \\
&:= 4 \times (4444 - ((4 \times 4^4) + 4)) \\
&:= (55 + 5/5) \times (((5 - (5 + 5)/5)^5) + 5/5) \\
&:= ((666 + 6)/6) \times ((666 + 66)/6) \\
&:= (7/7 + 7) \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) - 7) \\
&:= ((8 - ((8 + 8)/8)) + 8) \times (888 + 88) \\
&:= ((999 + 9)/9) \times ((999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13665 &:= 1 + ((1 + 111) \times (1 + (11^{1+1}))) \\
&:= (((((22/2)^2) - (2 + 2))^2) - (22 + 2)) \\
&:= 3 + (33 \times ((3 \times 3^3) + 333)) \\
&:= 4^4 \times 44 + (((4 - 4/4) + 4)^4) \\
&:= 5 \times 5 + (55 \times (((5 - (5 + 5)/5)^5) + 5)) \\
&:= 6 + (((666/6) \times ((666/6) + 6) + 6)) + 6 \\
&:= 7/7 + ((7/7 + 7) \times ((7 \times (7 \times ((7 \times 7) - (7 + 7)))) - 7)) \\
&:= (8 \times 888) + (((88/8) - 8)^8) \\
&:= 9 + (((99 + 9)/9) \times (((9999/9 + 9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13666 &:= 1 + (1 + ((1 + 111) \times (1 + (11^{1+1})))) \\
&:= 2 + ((22^2 \times (22 + 2)) + (2^{22/2})) \\
&:= 3 + ((33 \times ((3 \times 3^3) + 333)) + 3/3) \\
&:= 4 + ((44/(4 + 4)/4) \times (((4/4 + 4)^4) - 4)) \\
&:= (((((5 + 5)/5) + 5)^5) - (((55/5) + 5^5) + 5)) \\
&:= (((6 \times 66) + 6) \times ((6 \times 6) - ((6 + 6)/6))) - ((6 + 6)/6) \\
&:= (((7 - 7/7) + 7) \times (7777/7)) - 777 \\
&:= 8/8 + (((88/8) - 8)^8) + (8 \times 888) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + (((99 \times 99) - 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13667 &:= 1 + (1 + (1 + ((1 + 111) \times (1 + (11^{1+1})))))) \\
&:= (((((22/2)^2) - (2 + 2))^2) - 22) \\
&:= 3 + (((((3^3 - 3^3)^3) - (((3 + 3) \times 3^3) + 3/3)) + 3)) \\
&:= 4 + ((4 \times (4444 - 4)) - (((4 + 4)^4) + 4/4)) \\
&:= (((((5 + 5)/5) + 5)^5) - ((5^5 + 5 + 5) + 5)) \\
&:= (((6 \times 66) + 6) \times ((6 \times 6) - ((6 + 6)/6))) - 6/6 \\
&:= 7 + (((777/7) \times ((777 + 77) + 7)/7)) + 7 \\
&:= ((8 + 8)/8) + (((88/8) - 8)^8) + (8 \times 888) \\
&:= ((9 \times 9) - ((9 + 9)/9)) \times ((99/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13668 &:= 1 + (1 + (1 + (1 + ((1 + 111) \times (1 + (11^{1+1})))))) \\
&:= 2 \times (((2 \times (2 \times 22 - 2))^2) - 222) \\
&:= 3 + ((33 \times ((3 \times 3^3) + 333)) + 3) \\
&:= 4 + (4 \times (4444 - ((4 \times 4^4) + 4))) \\
&:= ((5 + 5) \times ((5 \times (5 \times 55)) - 5)) - (((5 + 5)/5)^5) \\
&:= ((6 \times 66) + 6) \times ((6 \times 6) - ((6 + 6)/6)) \\
&:= 7 + (((7 - 7/7) \times (((7 + 7 + 7)/7)^7)) + (7 \times 77)) \\
&:= 8 \times 8 + (((88/8) + 8) \times (((88 + 8)/8) + (8 \times 88))) \\
&:= 9 + ((9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13669 &:= (11 \times (11 \times (1 + (1 + 111)))) - (1 + 1 + 1 + 1) \\
&:= 2 + (((((22/2)^2) - (2 + 2))^2) - 22) \\
&:= ((33/3)^{3/3+3}) - (3^3 \times (33 + 3)) \\
&:= 4 + (((4 - 4/4) + 4)^4) + (4^4 \times 44) \\
&:= (5 \times ((5 \times ((5 + 5) \times 55)) - 5)) - (55 + 5/5) \\
&:= 6/6 + (((6 \times 66) + 6) \times ((6 \times 6) - ((6 + 6)/6))) \\
&:= (((((7 + 7)/7)^7) \times (777/7)) - (7 \times 77)) \\
&:= 8 + (((88/8) + 8) \times (((8 \times 88) - 8/8) + 8) + 8) \\
&:= ((99 + 9 + 9)^{(9+9)/9}) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13670 &:= (11 \times (11 \times (1 + (1 + 111)))) - (1 + 1 + 1) \\
&:= 2 + (2 \times (((2 \times (2 \times 22 - 2))^2) - 222)) \\
&:= ((3 \times 3) + 3/3) \times (((33/3)^3) + 33) + 3 \\
&:= ((44 - 4)/4) \times ((4444/4) + 4^4) \\
&:= (5 \times ((5 \times ((5 + 5) \times 55)) - 5)) - 55 \\
&:= 6 + (((666 + 6)/6) \times ((666 + 66)/6)) \\
&:= ((7 + 7) \times ((7 + 7) \times (77 - 7))) - (7/7 + (7 \times 7)) \\
&:= 8 + ((8/8 + 8) \times (((888 - 8)/8) + (88 \times (8 + 8)))) \\
&:= 9 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - (9/9 + 9)))
\end{aligned}$$

- **13671** := $(11 \times (11 \times (1 + (1 + 111)))) - (1 + 1)$
:= $((22/2)^{2+2}) - ((2 \times 22^2) + 2)$
:= $((3 \times (3 + 3)) + 3) \times ((3 \times ((3 + 3)^3)) + 3)$
:= $((4^4 - 4)/4) \times (((4/4 - 44) + 4^4) + 4)$
:= $((5 + 5)/5 + 5)^5 - ((55/5) + 5^5)$
:= $((6 \times 6 \times 6) + 6/6) \times (66 - (6 \times 6/(6 + 6)))$
:= $7 \times (((7 + 7) \times (77 + 7)) + 777)$
:= $(8/8 + 8) \times ((888/8) + (88 \times (8 + 8)))$
:= $((99 + 9 + 9)^{(9+9)/9}) - (9 + 9)$
- **13672** := $(11 \times (11 \times (1 + (1 + 111)))) - 1$
:= $2 \times (((2 \times (2 \times 22 - 2))^2) - 222) + 2$
:= $3/3 + (((3 \times (3 + 3)) + 3) \times ((3 \times ((3 + 3)^3)) + 3))$
:= $(4 \times 4444) - (((4 + 4)^4) + 4) + 4$
:= $((5 + 5)/5 + 5)^5 - (5^5 + 5 + 5)$
:= $6 \times 6 \times 6 + (((666 - 6)/6) + 6)^{(6+6)/6}$
:= $7/7 + (7 \times ((7 + 7) \times (77 + 7)) + 777)$
:= $(8 \times ((8 \times (8 \times (8 + 8) + 88)) - 8)) - 88$
:= $9/9 + (((99 + 9 + 9)^{(9+9)/9}) - (9 + 9))$
- **13673** := $11 \times (11 \times (1 + (1 + 111)))$
:= $((22/2)^2) \times ((222/2) + 2)$
:= $(33/3) + (33 \times ((3 \times 3^3) + 333))$
:= $4 + (((4 - 4/4) + 4^4) + (4^4 \times 44)) + 4$
:= $5/5 + (((5 + 5)/5 + 5)^5) - (5^5 + 5 + 5)$
:= $((66 - 6) \times ((6 \times 6 \times 6 + 6) + 6)) - (6/6 + 6)$
:= $((7 + 7)/7)^7 - 7 \times (((777 + 7) + 7)/7)$
:= $8 + (((88/8) - 8)^8) + (8 \times 888)$
:= $9 + (((999 + 9)/9) \times ((999 + 99)/9))$
- **13674** := $1 + (11 \times (11 \times (1 + (1 + 111))))$
:= $2 \times (((22 - (2/2 + 2))^{2/2+2}) - 22)$
:= $3 + (((3 \times (3 + 3)) + 3) \times ((3 \times ((3 + 3)^3)) + 3))$
:= $((4^4 - 44)/4) \times ((4 + 4)/4 + 4^4)$
:= $((555/5) - 5) \times ((5 \times 5 \times 5) - 5/5 + 5)$
:= $((66 - 6) \times ((6 \times 6 \times 6 + 6) + 6)) - 6$
:= $((7 \times (7 + 7)) + 7/7) + 7 \times (((7 + 7)/7)^7) + 7/7$
:= $8 + (((88/8) - 8)^8) + (8 \times 888) + 8/8$
:= $((99 - ((9 + 9)/9)) + 9) \times (((999/9) + 9) + 9)$
- **13675** := $1 + (1 + (11 \times (11 \times (1 + (1 + 111)))))$
:= $2 + (((22/2)^2) \times ((222/2) + 2))$
:= $((3 - 3/3) + 3) \times (((33/3 + 3)^3) - 3 \times 3)$
:= $(4 \times 4444) - (((4 + 4)^4) + 4/4) + 4$
:= $5 \times (((5 \times (555 - (5 + 5))) + 5) + 5)$
:= $6/6 + (((66 - 6) \times ((6 \times 6 \times 6 + 6) + 6)) - 6)$
:= $((77/7 + 7) + 7) \times (((7 \times 77) + 7/7) + 7)$
:= $8 + (((88/8) - 8)^8) + (8 \times 888) + ((8 + 8)/8)$
:= $9 + (((99 \times 99) - 9)/(9 + 9)) + (9 \times (9 \times (9 \times (9 + 9))))$
- **13676** := $1 + (1 + (1 + (11 \times (11 \times (1 + (1 + 111))))))$
:= $(22 + 2 + 2) \times ((22 \times (22 + 2)) - 2)$
:= $((3^3 - 3)^3) + ((3 - (33 \times 3^3))/(3 + 3))$
:= $(4 \times 4444) - (((4 + 4)^4) + 4)$
:= $5^5 + ((5 \times 555) + ((5/5 + 5)^5))$
:= $((6 + 6)/6) + (((66 - 6) \times ((6 \times 6 \times 6 + 6) + 6)) - 6)$
:= $7 + (((7 + 7)/7)^7) \times (777/7) - (7 \times 77)$
:= $88/8 + (((88/8) - 8)^8) + (8 \times 888)$
:= $9 + (((9 \times 9) - ((9 + 9)/9)) \times ((99/9) + (9 \times (9 + 9))))$
- **13677** := $1 + (1 + (1 + (1 + (11 \times (11 \times (1 + (1 + 111))))))$
:= $((22/2)^2 - 2)^2 - 22^2$
:= $3^3 + (33333 - (3^{3 \times 3}))$
:= $44 + ((4 \times (4 - 4^4)) + ((44/4)^4))$
:= $((5 + 5)/5 + 5)^5 - (5^5 + 5)$
:= $((666/6) + 6)^{(6+6)/6} - (6 + 6)$
:= $7 + ((7 + 7) \times ((7 + 7) \times (77 - 7))) - (7/7 + (7 \times 7))$
:= $((8/8 + 88) + 8) \times ((88 - 88/8) + (8 \times 8))$
:= $((99 + 9 + 9)^{(9+9)/9}) - ((99 + 9)/9)$
- **13678** := $((111 + ((1 + 1) \times (1 + 1 + 1)))^{1+1}) - 11$
:= $((22/2)^2 - (2 + 2))^2 - (22/2)$
:= $(33 \times ((3 + 3)^3)) + (((3^{3 \times 3}) - 33)/3)$
:= $4 + (((4^4 - 44)/4) \times ((4 + 4)/4 + 4^4))$
:= $5/5 + (((5 + 5)/5 + 5)^5) - (5^5 + 5)$
:= $((66 - 6) \times ((6 \times 6 \times 6 + 6) + 6)) - ((6 + 6)/6)$
:= $7 + (7 \times ((7 + 7) \times (77 + 7)) + 777)$
:= $((8 - ((8 + 8)/8)) + 8) \times (((88 \times 88) + 8)/8) + 8$
:= $((99 + 9 + 9)^{(9+9)/9}) - (99/9)$
- **13679** := $((11^{1+1}) - 1) \times (1 + (1 + (1 + 111))) - 1$
:= $2 + (((22/2)^2 - 2)^2) - 22^2$
:= $((3^3 - 3)^3) + (((3 + 3) \times (3 - 3^3)) - 3/3)$
:= $(4 \times 4444) - (((4 + 4)^4) + 4/4)$
:= $55 + ((5 \times (5 \times (555 - (5 + 5)))) - 5/5)$
:= $((66 - 6) \times ((6 \times 6 \times 6 + 6) + 6)) - 6/6$
:= $7 + ((7 \times ((7 + 7) \times (77 + 7)) + 777)) + 7/7$
:= $((88/8) + 8) \times (((8 \times 88) + 8) + 8) - 8/8$
:= $((99 + 9 + 9)^{(9+9)/9}) - (9/9 + 9)$
- **13680** := $((11^{1+1}) - 1) \times (1 + (1 + (1 + 111)))$
:= $(22 + 2) \times (((22 + 2)^2) - (2 + 2 + 2))$
:= $((3^3 - 3)^3) + ((3 + 3) \times (3 - 3^3))$
:= $4 \times (4444 - (4 \times 4^4))$
:= $55 + (5 \times (5 \times (555 - (5 + 5))))$
:= $(66 - 6) \times ((6 \times 6 \times 6 + 6) + 6)$
:= $(7 \times 7 \times 7 - 7/7) \times ((7 \times 7) - ((7 + 7)/7 + 7))$
:= $((88/8) + 8) \times (((8 \times 88) + 8) + 8)$
:= $((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - 9)$

$$\begin{aligned}
\blacktriangleright 13681 &:= 1 + (((11^{1+1}) - 1) \times (1 + (1 + (1 + 111)))) \\
&:= (((22/2)^2) - (2 + 2))^2 - (2 \times (2 + 2)) \\
&:= 3/3 + (((3 + 3) \times (3 - 3^3)) + ((3^3 - 3)^3)) \\
&:= ((44/4)^4) + (4 \times ((4 \times 4) - 4^4)) \\
&:= (((5 + 5)/5) + 5)^5 - (5^5 + 5/5) \\
&:= 6/6 + (((66 - 6) \times ((6 \times 6 \times 6 + 6) + 6)) \\
&:= (((777 - 7)/7) + 7)^{(7+7)/7} - (7/7 + 7) \\
&:= (((8 \times (8 + 8)) - 88/8)^{(8+8)/8}) - 8 \\
&:= 9/9 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13682 &:= (11 \times (1 + (11 \times (1 + (1 + 111)))) - (1 + 1) \\
&:= (22 \times (((22 - 2)^2) + 222)) - 2 \\
&:= 3 + (((3 + 3) \times (3 - 3^3)) - 3/3) + ((3^3 - 3)^3) \\
&:= 4/4 + ((4 \times ((4 \times 4) - 4^4)) + ((44/4)^4)) \\
&:= (((5 + 5)/5) + 5)^5 - 5^5 \\
&:= ((6 + 6)/6) + (((66 - 6) \times ((6 \times 6 \times 6 + 6) + 6)) \\
&:= (((777 - 7)/7) + 7)^{(7+7)/7} - 7 \\
&:= 8/8 + (((8 \times (8 + 8)) - 88/8)^{(8+8)/8}) - 8 \\
&:= ((9 + 9)/9) + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13683 &:= (11 \times (1 + (11 \times (1 + (1 + 111)))) - 1 \\
&:= (((22/2)^2) - (2 + 2))^2 - (2 + 2 + 2) \\
&:= 3 + (((3 + 3) \times (3 - 3^3)) + ((3^3 - 3)^3)) \\
&:= 4 + ((4 \times 4444) - (((4 + 4)^4) + 4/4)) \\
&:= 5/5 + (((5 + 5)/5) + 5)^5 - 5^5 \\
&:= (((666/6) + 6)^{(6+6)/6}) - 6 \\
&:= 7/7 + (((777 - 7)/7) + 7)^{(7+7)/7} - 7 \\
&:= 88/8 + ((8 \times ((8 \times (8 + 8) + 88)) - 8)) - 88 \\
&:= ((9 + 9 + 9)/9) + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13684 &:= 11 \times (1 + (11 \times (1 + (1 + 111)))) \\
&:= 22 \times (((22 - 2)^2) + 222) \\
&:= 3 + (((3 + 3) \times (3 - 3^3)) + ((3^3 - 3)^3)) + 3/3 \\
&:= 4 + (4 \times (4444 - (4 \times 4^4))) \\
&:= ((5 + 5)/5) + (((5 + 5)/5) + 5)^5 - 5^5 \\
&:= 6/6 + (((666/6) + 6)^{(6+6)/6}) - 6 \\
&:= 77/7 \times ((7 \times ((7 + 7) \times (7 + 7))) - (((7 + 7)/7)^7)) \\
&:= ((8 + 8) \times 888) - (((88 + 8)/8) + (8 \times 8 \times 8)) \\
&:= ((9 - 99)/(9 + 9)) + ((99 + 9 + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13685 &:= 1 + (11 \times (1 + (11 \times (1 + (1 + 111)))) \\
&:= (((22/2)^2) - (2 + 2))^2 - (2 + 2) \\
&:= (3/3 + 3 + 3) \times (((3 \times (3 + 3))^3) + 33)/3 \\
&:= 4 + ((4 \times ((4 \times 4) - 4^4)) + ((44/4)^4)) \\
&:= 5 + ((5 \times (5 \times (555 - (5 + 5)))) + 55) \\
&:= ((6 \times 6) - 6/6) \times (((6 \times 66) - 6) + 6/6) \\
&:= (7 - ((7 + 7)/7)) \times ((7 \times (7 \times (7 \times 7 + 7))) - 7) \\
&:= ((8 + 8) \times 888) - ((8 \times 8 \times 8) + (88/8)) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times (99 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13686 &:= 1 + (1 + (11 \times (1 + (11 \times (1 + (1 + 111)))))) \\
&:= 2 + (22 \times (((22 - 2)^2) + 222)) \\
&:= ((3 \times ((33 + 3) + 3))^{3-3/3}) - 3 \\
&:= 4 + (((4 \times ((4 \times 4) - 4^4)) + ((44/4)^4)) + 4/4) \\
&:= 5 + (((5 + 5)/5) + 5)^5 - (5^5 + 5/5) \\
&:= 6 + (((66 - 6) \times ((6 \times 6 \times 6 + 6) + 6)) \\
&:= 7/7 + ((7 - ((7 + 7)/7)) \times ((7 \times (7 \times (7 \times 7 + 7))) - 7)) \\
&:= ((8 - 88)/8) + ((8 + 8) \times ((8 \times (88 + 8)) + 88)) \\
&:= ((99 + 9 + 9)^{(9+9)/9}) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13687 &:= ((111 + ((1 + 1) \times (1 + 1 + 1)))^{1+1}) - (1 + 1) \\
&:= (((22/2)^2) - (2 + 2))^2 - 2 \\
&:= 3/3 + (((3 \times ((33 + 3) + 3))^{3-3/3}) - 3) \\
&:= 4 + ((4 \times 4444) - (((4 + 4)^4) + 4/4)) + 4 \\
&:= 5 + (((5 + 5)/5) + 5)^5 - 5^5 \\
&:= 6 + (((66 - 6) \times ((6 \times 6 \times 6 + 6) + 6)) + 6/6) \\
&:= 7 + ((7 \times 7 \times 7 - 7/7) \times ((7 \times 7) - ((7 + 7)/7 + 7))) \\
&:= ((8 + 8) \times 888) - (((8 \times 8 \times 8) + 8/8) + 8) \\
&:= ((99 + 9 + 9)^{(9+9)/9}) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13688 &:= ((111 + ((1 + 1) \times (1 + 1 + 1)))^{1+1}) - 1 \\
&:= (((22/2)^2) - (2 + 2))^2 - 2/2 \\
&:= (33 \times ((3 + 3)^3)) + (((3^3 \times 3) - 3)/3) \\
&:= 4 + ((4 \times (4444 - (4 \times 4^4))) + 4) \\
&:= 5 + (((5 + 5)/5) + 5)^5 - 5^5 + 5/5 \\
&:= (((666/6) + 6)^{(6+6)/6}) - 6/6 \\
&:= (((777 - 7)/7) + 7)^{(7+7)/7} - 7/7 \\
&:= ((8 + 8) \times 888) - ((8 \times 8 \times 8) + 8) \\
&:= ((99 + 9 + 9)^{(9+9)/9}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13689 &:= (111 + ((1 + 1) \times (1 + 1 + 1)))^{1+1} \\
&:= (((22/2)^2) - (2 + 2))^2 \\
&:= (3 \times ((33 + 3) + 3))^{3-3/3} \\
&:= (((444 + 4) + 4)/4) + 4)^{(4+4)/4} \\
&:= (((555 + 5)/5) + 5)^{(5+5)/5} \\
&:= (((666/6) + 6)^{(6+6)/6}) \\
&:= (((777 - 7)/7) + 7)^{(7+7)/7} \\
&:= ((8 \times (8 + 8)) - 88/8)^{(8+8)/8} \\
&:= (99 + 9 + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13690 &:= 1 + ((111 + ((1 + 1) \times (1 + 1 + 1)))^{1+1}) \\
&:= 2/2 + (((22/2)^2) - (2 + 2))^2 \\
&:= 3/3 + ((3 \times ((33 + 3) + 3))^{3-3/3}) \\
&:= 4 \times 4 + (((4^4 - 44)/4) \times ((4 + 4)/4 + 4^4)) \\
&:= (5 + 5) \times ((5 \times (5 \times 55)) - (5/5 + 5)) \\
&:= 6/6 + (((666/6) + 6)^{(6+6)/6}) \\
&:= 7/7 + (((777 - 7)/7) + 7)^{(7+7)/7} \\
&:= 8/8 + (((8 \times (8 + 8)) - 88/8)^{(8+8)/8}) \\
&:= 9/9 + ((99 + 9 + 9)^{(9+9)/9})
\end{aligned}$$

► **13691** := 1 + (1 + ((111 + ((1 + 1) × (1 + 1 + 1)))¹⁺¹))
 := 2 + (((22/2)² - (2 + 2))²)
 := 3 + ((33 × ((3 + 3)³) + (((3^{3×3}) - 3)/3))
 := (44/4) + (4 × (4444 - (4 × 4⁴)))
 := 5 + (((((5 + 5)/5) + 5)⁵) - (5⁵ + 5/5)) + 5)
 := 6 + (((6 × 6) - 6/6) × (((6 × 66) - 6) + 6/6))
 := ((7 + 7)/7) + (((777 - 7)/7) + 7)^{(7+7)/7}
 := 88/8 + (((88/8) + 8) × (((8 × 88) + 8) + 8))
 := ((9 + 9)/9) + ((99 + 9 + 9)^{(9+9)/9})

► **13696** := 1 + (11 × (1 + (1 + (11 × (1 + (1 + 111))))))
 := (2²⁺²⁺²) × (222 - (2 × (2 + 2)))
 := ((3/3 + 3)³) × (((3 + 3)³) - 3) + 3/3
 := 4 × ((4 + 4) × (444 - 4 × 4))
 := 5/5 + (55 × ((5 × 5 × (5 + 5)) - 5/5))
 := (((6 + 6)/6)⁶) × ((6 × 6 × 6) - ((6 + 6)/6))
 := 7 + (((777 - 7)/7) + 7)^{(7+7)/7}
 := (8 + 8) × ((8 × (88 + 8)) + 88)
 := 9 + (((99 + 9 + 9)^{(9+9)/9}) - ((9 + 9)/9))

► **13692** := 1 + (1 + (1 + ((111 + ((1 + 1) × (1 + 1 + 1)))¹⁺¹)))
 := 2 + (((((22/2)²) - (2 + 2))²) + 2/2)
 := 3 + ((3 × ((33 + 3) + 3))^{3-3/3})
 := (4 × ((4 + 4) × (444 - 4 × 4))) - 4
 := 5 + (((((5 + 5)/5) + 5)⁵) - 5⁵) + 5)
 := 6 + (((66 - 6) × ((6 × 6 × 6 + 6) + 6)) + 6)
 := (7 + 7) × (((7 + 7) × (77 - 7)) - ((7 + 7)/7))
 := ((88 + 8)/8) × (((8 + 8) × ((8 × 8) + 8)) - 88/8)
 := ((9 + 9 + 9)/9) + ((99 + 9 + 9)^{(9+9)/9})

► **13697** := 1 + (1 + (11 × (1 + (1 + (11 × (1 + (1 + 111))))))
 := (2 × (2 + 2)) + (((22/2)²) - (2 + 2))²
 := ((3³ - 3)³) - (((3 × 33) + 3³) + 3/3)
 := 4/4 + (4 × ((4 + 4) × (444 - 4 × 4)))
 := 5 + (((((5 + 5)/5) + 5)⁵) - 5⁵) + 5)
 := 6 + (((6 × 6) - 6/6) × (((6 × 66) - 6) + 6/6)) + 6)
 := 7 + (((777 - 7)/7) + 7)^{(7+7)/7} + 7/7
 := 8 + (((8 × (8 + 8)) - 88/8)^{(8+8)/8})
 := 9 + (((99 + 9 + 9)^{(9+9)/9}) - 9/9)

► **13693** := (11 × (1 + (1 + (11 × (1 + (1 + 111)))))) - (1 + 1)
 := 2 + (((((22/2)²) - (2 + 2))²) + 2)
 := 3 + (((3 × ((33 + 3) + 3))^{3-3/3}) + 3/3)
 := 4 + (((444 + 4) + 4)/4) + 4^{(4+4)/4}
 := (55/5) + (((((5 + 5)/5) + 5)⁵) - 5⁵)
 := 6 + (((66 - 6) × ((6 × 6 × 6 + 6) + 6)) + 6/6) + 6)
 := 7/7 + (((77 × 77) - (7 + 7)) + 7777)
 := 8 + (((8 + 8) × 888) - ((8 × 8 × 8) + (88/8)))
 := (((9 × 9) - 9)/(9 + 9)) + ((99 + 9 + 9)^{(9+9)/9})

► **13698** := 1 + (1 + (1 + (11 × (1 + (1 + (11 × (1 + (1 + 111))))))
 := 2 + ((2²⁺²⁺²) × (222 - (2 × (2 + 2))))
 := (3 + 3) × ((3 × ((3³⁺³) + 33)) - 3)
 := ((4 + 4)/4) + (4 × ((4 + 4) × (444 - 4 × 4)))
 := ((5 + 5) × ((5 × (5 × 55)) - 5)) - ((5 + 5)/5)
 := 6 + (((66 - 6) × ((6 × 6 × 6 + 6) + 6)) + 6) + 6)
 := 7777 + ((77 × 77) - (7/7 + 7))
 := ((8 + 8)/8) + ((8 + 8) × ((8 × (88 + 8)) + 88))
 := 9 + (((99 + 9 + 9)^{(9+9)/9})

► **13694** := (11 × (1 + (1 + (11 × (1 + (1 + 111)))))) - 1
 := 2 + (((((22/2)²) - (2 + 2))²) + 2/2) + 2)
 := (333 + 3/3) × (((33/3) + 3³) + 3)
 := (4 × ((4 + 4) × (444 - 4 × 4))) - ((4 + 4)/4)
 := 5 + (((555 + 5)/5) + 5)^{(5+5)/5}
 := 6 + (((666/6) + 6)^{(6+6)/6}) - 6/6)
 := 7777 + ((77 × 77) - ((77 + 7)/7))
 := ((8 + 8) × 888) - ((8 × 8 × 8) + ((8 + 8)/8))
 := (9/9 + (9 × 9)) × (((9 × 9 + 9)/(9 + 9)) + (9 × (9 + 9)))

► **13699** := 11 + (((111 + ((1 + 1) × (1 + 1 + 1)))¹⁺¹) - 1)
 := 2 + (((((22/2)²) - (2 + 2))²) + (2 × (2 + 2)))
 := ((3³ - 3)³) - (((3 - 3/3) + 3)³)
 := 4 + ((4 × ((4 + 4) × (444 - 4 × 4))) - 4/4)
 := ((5 + 5) × ((5 × (5 × 55)) - 5)) - 5/5
 := 666 + (((6 - 6/6)⁶) - (6 × (6 × (66 + 6))))
 := 7777 + ((77 × 77) - 7)
 := ((88/8) + 8) × (((8 × 88) + 8/8) + 8) + 8)
 := 9 + (((99 + 9 + 9)^{(9+9)/9}) + 9/9)

► **13695** := 11 × (1 + (1 + (11 × (1 + (1 + 111))))
 := 2 + (((((22/2)²) - (2 + 2))²) + 2) + 2)
 := 3 + (((3 × ((33 + 3) + 3))^{3-3/3}) + 3)
 := (4 × ((4 + 4) × (444 - 4 × 4))) - 4/4
 := 55 × ((5 × 5 × (5 + 5)) - 5/5)
 := 6 + (((666/6) + 6)^{(6+6)/6})
 := 7777 + ((77 × 77) - (77/7))
 := ((8 + 8) × 888) - ((8 × 8 × 8) + 8/8)
 := 9 + (((99 + 9 + 9)^{(9+9)/9}) - ((9 + 9 + 9)/9))

► **13700** := 11 + (((111 + ((1 + 1) × (1 + 1 + 1)))¹⁺¹)
 := (22/2) + (((22/2)²) - (2 + 2))²
 := 3/3 + (((3³ - 3)³) - (((3 - 3/3) + 3)³)
 := 4 + (4 × ((4 + 4) × (444 - 4 × 4)))
 := (5 + 5) × ((5 × (5 × 55)) - 5)
 := (66/6) + (((666/6) + 6)^{(6+6)/6})
 := 7/7 + (((77 × 77) - 7) + 7777)
 := 88/8 + (((8 × (8 + 8)) - 88/8)^{(8+8)/8})
 := (99/9) + ((99 + 9 + 9)^{(9+9)/9})

$$\begin{aligned} \blacktriangleright 13701 &:= 1 + (11 + ((111 + ((1 + 1) \times (1 + 1 + 1)))^{1+1})) \\ &:= (2 \times (2 + 2 + 2)) + (((22/2)^2) - (2 + 2)^2) \\ &:= 3 + ((3 + 3) \times ((3 \times ((3^{3+3}) + 33)) - 3)) \\ &:= 4 + ((4 \times ((4 + 4) \times (444 - 4 \times 4))) + 4/4) \\ &:= 5/5 + ((5 + 5) \times ((5 \times (5 \times 55)) - 5)) \\ &:= 6 + (((666/6) + 6)^{(6+6)/6} + 6) \\ &:= ((7 + 7)/7) + (((77 \times 77) - 7) + 7777) \\ &:= 8 + (((8 + 8) \times 888) - ((8 \times 8 \times 8) + (88/8))) + 8) \\ &:= ((99 + 9)/9) + ((99 + 9 + 9)^{(9+9)/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13702 &:= (((1 + 1) \times (1 + 11))^{1+1+1}) - (1 + (11^{1+1})) \\ &:= (22 + 2 + 2) \times (((22 + 2/2)^2) - 2) \\ &:= 3 + (((3^3 - 3)^3) - (((3 - 3/3) + 3)^3)) \\ &:= ((4 \times (4 + 4)) - 4/4) \times (444 - ((4 + 4)/4)) \\ &:= 5 \times 5 + (((((5 + 5)/5) + 5)^5) - (5^5 + 5)) \\ &:= 6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - ((6 + 6)/6)) \\ &:= ((7 + 7) \times ((7 + 7) \times (77 - 7))) - (77/7 + 7) \\ &:= 8 + (((8 + 8) \times 888) - ((8 \times 8 \times 8) + ((8 + 8)/8))) \\ &:= ((99 + 9 + 9)/9) + ((99 + 9 + 9)^{(9+9)/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13703 &:= (((1 + 1) \times (1 + 11))^{1+1+1}) - (11^{1+1}) \\ &:= ((22 + 2)^{2/2+2}) - ((22/2)^2) \\ &:= ((3^3 - 3)^3) + ((3 - (3^{3+3}))/3 + 3) \\ &:= 4 + (((4 \times ((4 + 4) \times (444 - 4 \times 4))) - 4/4) + 4) \\ &:= 5 + (((5 + 5) \times ((5 \times (5 \times 55)) - 5)) - ((5 + 5)/5)) \\ &:= (6 \times (6 \times (66 + 6))) + (66666/6) \\ &:= 7 + (((((777 - 7)/7) + 7)^{(7+7)/7}) + 7) \\ &:= 8 + (((8 + 8) \times 888) - ((8 \times 8 \times 8) + 8/8)) \\ &:= ((9 \times 9) - (9/9 + 9)) \times (((999 + 9)/9) + (9 \times 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13704 &:= 1 + (((1 + 1) \times (1 + 11))^{1+1+1}) - (11^{1+1}) \\ &:= (22 \times (((2/2 + 2 + 2)^{2+2}) - 2)) - 2 \\ &:= ((3^3 - 3)^3) + ((3/3 + 3) \times (3 - 33)) \\ &:= 4 + ((4 \times ((4 + 4) \times (444 - 4 \times 4))) + 4) \\ &:= 5 + (((5 + 5) \times ((5 \times (5 \times 55)) - 5)) - 5/5) \\ &:= 6 \times (((66 + 6/6) \times ((6 \times 6) - ((6 + 6)/6))) + 6) \\ &:= 7777 + ((77 \times 77) - ((7 + 7)/7)) \\ &:= 8 + ((8 + 8) \times ((8 \times (88 + 8)) + 88)) \\ &:= ((9 + 9 + 9) \times (((9 + 9)/9)^9)) - ((999/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13705 &:= (11 \times (1 + (1 + (1 + (11 \times (1 + (1 + 111)))))) - 1 \\ &:= (2^{2+2}) + (((22/2)^2) - (2 + 2)^2) \\ &:= ((3 - 3/3) + 3) \times (((33/3 + 3)^3) - 3) \\ &:= 44 + (((44/4)^4) - (4 \times 4^4)) + 44 \\ &:= 5 + ((5 + 5) \times ((5 \times (5 \times 55)) - 5)) \\ &:= ((6 - 6/6)^6) + ((6 - 6 \times 6) \times (((6 + 6)/6)^6)) \\ &:= 7777 + ((77 \times 77) - 7/7) \\ &:= 8 + (((8 \times (8 + 8)) - 88/8)^{(8+8)/8}) + 8) \\ &:= 9 + (((99 + 9 + 9)^{(9+9)/9}) - ((9 + 9)/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13706 &:= 11 \times (1 + (1 + (1 + (11 \times (1 + (1 + 111)))))) \\ &:= 22 \times (((2/2 + 2 + 2)^{2+2}) - 2) \\ &:= 3 + (((3 - (3^{3+3}))/3 + 3) + ((3^3 - 3)^3)) \\ &:= (44/4) \times (((4 + 4)/4) \times ((4/4 + 4)^4)) - 4) \\ &:= 5 + (((5 + 5) \times ((5 \times (5 \times 55)) - 5)) + 5/5) \\ &:= 6 + (((666/6) + 6)^{(6+6)/6}) + (66/6) \\ &:= 7777 + (77 \times 77) \\ &:= (8/8 + 88) \times (((8 + 8)/8) + 88) + (8 \times 8) \\ &:= 9 + (((99 + 9 + 9)^{(9+9)/9}) - 9/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13707 &:= 1 + (11 \times (1 + (1 + (1 + (11 \times (1 + (1 + 111)))))) \\ &:= 2 + (((((22/2)^2) - (2 + 2)^2) + (2^{2+2})) \\ &:= 3 \times (((3 + 3) \times ((3^{3+3}) + 33)) - 3) \\ &:= (44/4) + (4 \times ((4 + 4) \times (444 - 4 \times 4))) \\ &:= 5 \times 5 + (((((5 + 5)/5) + 5)^5) - 5^5) \\ &:= 6 + (((666/6) + 6)^{(6+6)/6}) + 6) + 6) \\ &:= 7/7 + (7777 + (77 \times 77)) \\ &:= 88/8 + ((8 + 8) \times ((8 \times (88 + 8)) + 88)) \\ &:= 9 + (((99 + 9 + 9)^{(9+9)/9}) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13708 &:= 1 + (1 + (11 \times (1 + (1 + (1 + (11 \times (1 + (1 + 111)))))) \\ &:= 2 + (22 \times (((2/2 + 2 + 2)^{2+2}) - 2)) \\ &:= 3 + (((3 - 3/3) + 3) \times (((33/3 + 3)^3) - 3)) \\ &:= 4 \times (((4 + 4)^4) - (((4/4 + 4)^4) + 44)) \\ &:= 5 \times 5 + (((((5 + 5)/5) + 5)^5) - 5^5) + 5/5) \\ &:= 6 + (((666/6) + 6)^{(6+6)/6}) \times ((6 \times 6 \times 6) - ((6 + 6)/6)) + 6) \\ &:= ((7 + 7)/7) + (7777 + (77 \times 77)) \\ &:= ((88 + 8)/8) + ((8 + 8) \times ((8 \times (88 + 8)) + 88)) \\ &:= 9 + (((99 + 9 + 9)^{(9+9)/9}) + 9/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13709 &:= ((1 + 1) \times (1 + (((1 + 1) \times (11 - 1)) - 1)^{1+1+1})) - 11 \\ &:= 22 + (((((22/2)^2) - (2 + 2)^2) - 2) \\ &:= ((3^3 - 3)^3) - (((333 + 3)/3) + 3) \\ &:= 44 + (((4 - 4/4) + 4)^4) + (4^4 \times 44)) \\ &:= 5 + (((5 + 5) \times ((5 \times (5 \times 55)) - 5)) - 5/5) + 5) \\ &:= ((6/6 - 66) \times (6 - ((6 \times 6 \times 6) + 6/6))) - 6 \\ &:= ((7 + 7) \times ((7 + 7) \times (77 - 7))) - (77/7) \\ &:= (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) - 88 \\ &:= 9 + (((99 + 9 + 9)^{(9+9)/9}) + (99/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13710 &:= (11 - 1) \times (1 + (1 + ((111/(1 + 1 + 1))^{1+1}))) \\ &:= 2 + (22 \times (((2/2 + 2 + 2)^{2+2}) - 2)) + 2) \\ &:= ((3^3 - 3)^3) - ((333/3) + 3) \\ &:= 4 + (((44 \times 444)/(4 + 4)) + (4^4 \times 44)) \\ &:= 5 + (((5 + 5) \times ((5 \times (5 \times 55)) - 5)) + 5) \\ &:= 66 + (6 \times ((6 \times (6 \times 66) - 6)) - 66)) \\ &:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) + (7 \times (7 + 7)) \\ &:= ((8 + 8)/8) \times ((88 \times 88) - (888 + 8/8)) \\ &:= 9 + (((99 + 9 + 9)^{(9+9)/9}) + ((99 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13711 &:= ((1+1)^{11}) + (((111 - (1+1+1))^{1+1}) - 1) \\ &:= 22 + (((22/2)^2) - (2+2)^2) \\ &:= ((3^3 - 3)^3) + (((3 - 333)/3) - 3) \\ &:= (4 \times ((4+4) \times (444+4))) - ((4/4+4)^4) \\ &:= (55/5) + ((5+5) \times ((5 \times (5 \times 55)) - 5)) \\ &:= 66 + ((66 \times (6 - 6 \times 6)) + ((6 - 6/6)^6)) \\ &:= ((7+7) \times ((7+7) \times (77-7))) - ((7+7)/7+7) \\ &:= 8 + (((8+8) \times 888) - ((8 \times 8 \times 8) + 8/8)) + 8) \\ &:= ((99+99)/9) + ((99+9+9)^{(9+9)/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13712 &:= ((1+1)^{11}) + ((111 - (1+1+1))^{1+1}) \\ &:= 2 \times (2 \times (2 \times ((2 \times 22)^2) - 222)) \\ &:= ((3^3 - 3)^3) - ((333+3)/3) \\ &:= 4 \times (((4+4) \times (444 - 4 \times 4)) + 4) \\ &:= 5 + (((((5+5)/5) + 5)^5) - 5^5) + 5 \times 5) \\ &:= (6 \times (6 \times (6 \times (((6+6)/6)^6))) - ((666+6)/6)) \\ &:= ((7+7) \times ((7+7) \times (77-7))) - (7/7+7) \\ &:= 8 + (((8+8) \times ((8 \times (88+8)) + 88)) + 8) \\ &:= (9 \times ((9+9) \times ((9 \times 9) - 9))) + (((9+9)/9)^{99/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13713 &:= (((1+1) \times (1+11))^{1+1+1}) - 111 \\ &:= 2 + (((((22/2)^2) - (2+2))^2) + 22) \\ &:= ((3^3 - 3)^3) - (333/3) \\ &:= 4/4 + (4 \times (((4+4) \times (444 - 4 \times 4)) + 4)) \\ &:= (5 \times (5 \times ((5+5) \times 55))) - (((5+5)/5)^5) + 5) \\ &:= (6 \times (6 \times (6 \times (((6+6)/6)^6))) - (666/6)) \\ &:= ((7+7) \times ((7+7) \times (77-7))) - 7 \\ &:= (8 \times (8 \times (8 \times (8+8) + 88))) - (888/8) \\ &:= ((9+9+9) \times (((9+9)/9)^9)) - (999/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13714 &:= 1 + (((1+1) \times (1+11))^{1+1+1}) - 111) \\ &:= 2 \times (((22 - (2/2+2))^{2/2+2}) - 2) \\ &:= ((3^3 - 3)^3) + ((3 - 333)/3) \\ &:= ((4+4)/4) + (4 \times (((4+4) \times (444 - 4 \times 4)) + 4)) \\ &:= (5 \times ((5 \times ((5+5) \times 55)) - 5)) - (55/5) \\ &:= (((6+6)/6)^6) + (((6 \times 6) - 6/6) \times ((6 \times 66) - 6)) \\ &:= 7/7 + (((7+7) \times ((7+7) \times (77-7))) - 7) \\ &:= 8 + ((8/8+88) \times (((8+8)/8) + 88) + (8 \times 8)) \\ &:= (((9+9)/9)^9) + ((9 \times ((9 \times (9 \times (9+9))) + 9)) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13715 &:= 1 + (1 + (((1+1) \times (1+11))^{1+1+1}) - 111)) \\ &:= 2 + (((((22/2)^2) - (2+2))^2) + 22) + 2) \\ &:= 3 + (((3^3 - 3)^3) - ((333+3)/3)) \\ &:= ((4^4+4)/4) \times (4^4 - (44+4/4)) \\ &:= 5 \times ((5 \times 555) - (((5+5)/5)^5)) \\ &:= (6/6 - 66) \times (6 - ((6 \times 6 \times 6) + 6/6)) \\ &:= ((7+7)/7) + (((7+7) \times ((7+7) \times (77-7))) - 7) \\ &:= 8 + (((8+8) \times ((8 \times (88+8)) + 88)) + (88/8)) \\ &:= (((9+9)/9)^9) + (9 \times ((9 \times (9 \times (9+9))) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13716 &:= (1+1) \times (((((1+1) \times (11-1)) - 1)^{1+1+1}) - 1) \\ &:= (2 \times ((22 - (2/2+2))^{2/2+2})) - 2 \\ &:= 3 \times ((3+3) \times ((3^3+3) + 33)) \\ &:= 4 + (4 \times (((4+4) \times (444 - 4 \times 4)) + 4)) \\ &:= 5 + (((5+5) \times ((5 \times (5 \times 55)) - 5)) + (55/5)) \\ &:= 6 \times (((6 \times ((6 \times 66) - 6)) - 66) + 6) + 6) \\ &:= 7 + (((7+7) \times ((7+7) \times (77-7))) - (77/7)) \\ &:= (8/8+8) \times (((88+8)/8) \times ((8 \times (8+8)) - 8/8)) \\ &:= 9 + (((99+9+9)^{(9+9)/9}) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13717 &:= ((1+1) \times (((1+1) \times (11-1)) - 1)^{1+1+1}) - 1 \\ &:= (((((22/2)^2) - 2)^2) - (2 \times 222)) \\ &:= 3 + (((3 - 333)/3) + ((3^3 - 3)^3)) \\ &:= (44 - 4/4) \times (((4^4 - 4)/4) + 4^4) \\ &:= 5 + (((((5+5)/5) + 5)^5) - 5^5) + 5 \times 5) + 5) \\ &:= ((6 - 6/6)^6) + (6 \times ((6 \times ((6 - 66) + 6)) + 6)) \\ &:= (77/7) + (7777 + (77 \times 77)) \\ &:= (88/8) \times (((8888/8) + (8 \times (8+8))) + 8) \\ &:= 9 + (((99+9+9)^{(9+9)/9}) + 9/9) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13718 &:= (1+1) \times (((1+1) \times (11-1)) - 1)^{1+1+1}) \\ &:= 2 \times ((22 - (2/2+2))^{2/2+2}) \\ &:= (3 - 3/3) \times (((3 \times (3+3)) + 3/3)^3) \\ &:= ((4+4)/4) \times (((44/4) + 4) + 4)^{4-4/4}) \\ &:= (5 \times (5 \times ((5+5) \times 55))) - (((5+5)/5)^5) \\ &:= (((6+6)/6) + (6 \times 6)) \times ((6 \times (66 - 6)) + 6/6) \\ &:= ((7+7) \times ((7+7) \times (77-7))) - ((7+7)/7) \\ &:= ((8+8)/8) \times (((88/8) + 8)^{88/8-8}) \\ &:= ((9+9)/9) \times (((9/9+9) + 9)^{(9+9+9)/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13719 &:= 1 + ((1+1) \times (((1+1) \times (11-1)) - 1)^{1+1+1}) \\ &:= 2 + (((((22/2)^2) - 2)^2) - (2 \times 222)) \\ &:= 3 + (3 \times ((3+3) \times ((3^3+3) + 33))) \\ &:= 4 + (((4^4+4)/4) \times (4^4 - (44+4/4))) \\ &:= (5 \times ((5 \times ((5+5) \times 55)) - 5)) - (5/5+5) \\ &:= 6 \times 6 + (((666/6) + 6)^{(6+6)/6}) - 6) \\ &:= ((7+7) \times ((7+7) \times (77-7))) - 7/7 \\ &:= 88 + (((8+8+8) \times ((8 \times (8 \times 8) + 8)) - 8)) - 8/8) \\ &:= (999/9) + ((9+9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13720 &:= (1+1) \times (1 + (((1+1) \times (11-1)) - 1)^{1+1+1}) \\ &:= 2 + (2 \times ((22 - (2/2+2))^{2/2+2})) \\ &:= ((3 - 3/3) + 3) \times ((33/3 + 3)^3) \\ &:= (44 - 4) \times (((4 - 4/4) + 4)^{4-4/4}) \\ &:= (5 \times ((5 \times ((5+5) \times 55)) - 5)) - 5 \\ &:= ((6 \times 6) - 6/6) \times (((6+6)/6) - 6) + (6 \times 66)) \\ &:= (7+7) \times ((7+7) \times (77-7)) \\ &:= 88 + ((8+8+8) \times ((8 \times (8 \times 8) + 8)) - 8) \\ &:= ((9+9)/9) \times ((99 - 9/9) \times ((9 \times 9) - (99/9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13721 &:= 1 + ((1 + 1) \times (1 + (((1 + 1) \times (11 - 1)) - 1)^{1+1+1})) \\ &:= (2 \times (2^{2+2})) + (((22/2)^2) - (2 + 2))^2 \\ &:= 3 + ((3 - 3/3) \times ((3 \times (3 + 3)) + 3/3)^3) \\ &:= 4 + ((44 - 4/4) \times (((4^4 - 4)/4) + 4^4)) \\ &:= 5/5 + ((5 \times ((5 \times ((5 + 5) \times 55)) - 5)) - 5) \\ &:= 6 + ((6/6 - 66) \times (6 - ((6 \times 6 \times 6) + 6/6))) \\ &:= 7/7 + ((7 + 7) \times ((7 + 7) \times (77 - 7))) \\ &:= (8 \times (888 + 8)) + (((88/8) - 8)^8) - 8 \\ &:= 9 + (9 \times ((9 + 9) \times ((9 \times 9) - 9))) + (((9 + 9)/9)^{99/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13726 &:= (1 + 1) \times ((11 \times (((1 + (1 + 1) \times (1 + 11))^{1+1}) - 1)) - 1) \\ &:= (22 \times ((22 + 2) \times (22 + 2 + 2))) - 2 \\ &:= 3/3 + (((3^3 - 3)^3) - (3 \times 33)) \\ &:= (((44 + 4) + 4) \times (4^4 + 4 + 4)) - ((4 + 4)/4) \\ &:= 5/5 + (5 \times ((5 \times ((5 + 5) \times 55)) - 5)) \\ &:= 6 + (((6 \times 6) - 6/6) \times (((6 + 6)/6) - 6) + (6 \times 66)) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) - 7/7) \\ &:= 8 + (((8 + 8)/8) \times (((88/8) + 8)^{88/8-8})) \\ &:= 9/9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9)) - 99) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13722 &:= (1 + 1) \times (1 + (1 + (((1 + 1) \times (11 - 1)) - 1)^{1+1+1})) \\ &:= 2 \times (((22 - (2/2 + 2))^{2/2+2}) + 2) \\ &:= ((3^3 - 3)^3) - (3 \times 33 + 3) \\ &:= 4 + (((4 + 4)/4) \times (((44/4) + 4) + 4)^{4-4/4}) \\ &:= ((5 + 5)/5) + ((5 \times ((5 \times ((5 + 5) \times 55)) - 5)) - 5) \\ &:= (6 \times ((6 \times (6 \times (((6 + 6)/6)^6))) - 6)) - 66 \\ &:= ((7 + 7)/7) + ((7 + 7) \times ((7 + 7) \times (77 - 7))) \\ &:= 8 + (((8/8 + 88) \times (((8 + 8)/8) + 88) + (8 \times 8))) + 8 \\ &:= 9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9)) - (999/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13727 &:= (111 \times (1 + 1 + 1111)) / (11 - 1 - 1) \\ &:= (22 \times ((22 + 2) \times (22 + 2 + 2))) - 2/2 \\ &:= 3 + (((3^3 - 3)^3) - ((3 \times 33) + 3/3)) \\ &:= ((4^4 - 44)/4) \times ((4^4 - 4/4) + 4) \\ &:= ((5 + 5)/5) + (5 \times ((5 \times ((5 + 5) \times 55)) - 5)) \\ &:= ((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) + (66/6)) \\ &:= 7 + ((7 + 7) \times ((7 + 7) \times (77 - 7))) \\ &:= (8 - 8/8) \times (((8 \times ((8 + 8) \times (8 + 8))) - 88) + 8/8) \\ &:= 9 + (((9 + 9)/9) \times (((9/9 + 9) + 9)^{(9+9+9)/9})) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13723 &:= 1 + ((1 + 1) \times (1 + (1 + (((1 + 1) \times (11 - 1)) - 1)^{1+1+1}))) \\ &:= 2 + (((((22/2)^2) - (2 + 2))^2) + (2 \times (2^{2+2}))) \\ &:= 3 + (((3 - 3/3) + 3) \times ((33/3 + 3)^3)) \\ &:= (((44 + 4) + 4) \times (4^4 + 4 + 4)) - (4/4 + 4) \\ &:= (5 \times ((5 \times ((5 + 5) \times 55)) - 5)) - ((5 + 5)/5) \\ &:= 6 + ((6 \times ((6 \times ((6 - 66) + 6)) + 6)) + ((6 - 6/6)^6)) \\ &:= ((7 + 7 + 7)/7) + ((7 + 7) \times ((7 + 7) \times (77 - 7))) \\ &:= 8 + (((8 + 8) \times ((8 \times (88 + 8)) + 88)) + (88/8)) + 8 \\ &:= 9 \times 9 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - (99/9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13728 &:= (1 + 11) \times (1111 + (11 \times (1 + 1 + 1))) \\ &:= 22 \times ((22 + 2) \times (22 + 2 + 2)) \\ &:= 3 + (((3^3 - 3)^3) - (3 \times 33)) \\ &:= ((44 + 4) + 4) \times (4^4 + 4 + 4) \\ &:= ((5^5 - 5)/5) \times ((55 + 55)/5) \\ &:= 66 \times ((6 \times 6 \times 6) - ((6 + 6)/6 + 6)) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + 7/7) \\ &:= 88 \times ((888/8 - ((8 + 8)/8))) + 8 \\ &:= 9 + (((9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9) + 9)) + (999/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13724 &:= 11 + (((1 + 1) \times (1 + 11))^{1+1+1}) - 111 \\ &:= (222 \times (2^{2+2+2})) - 22^2 \\ &:= ((3^3 - 3)^3) - ((3 \times 33) + 3/3) \\ &:= (((44 + 4) + 4) \times (4^4 + 4 + 4)) - 4 \\ &:= (5 \times ((5 \times ((5 + 5) \times 55)) - 5)) - 5/5 \\ &:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - 6/6) - (6 \times 6) \\ &:= (77/7) + (((7 + 7) \times ((7 + 7) \times (77 - 7))) - 7) \\ &:= ((8 + 8) \times 888) - ((88 \times 88)/(8 + 8)) \\ &:= 9 + (9 \times ((9 \times (9 \times (9 + 9))) + 9)) + (((9 + 9)/9)^9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13729 &:= 1 + ((1 + 11) \times (1111 + (11 \times (1 + 1 + 1)))) \\ &:= 2/2 + (22 \times ((22 + 2) \times (22 + 2 + 2))) \\ &:= 3 + (((3^3 - 3)^3) - (3 \times 33)) + 3/3 \\ &:= 4/4 + (((44 + 4) + 4) \times (4^4 + 4 + 4)) \\ &:= 5 + ((5 \times ((5 \times ((5 + 5) \times 55)) - 5)) - 5/5) \\ &:= 6/6 + (66 \times ((6 \times 6 \times 6) - ((6 + 6)/6 + 6))) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + (7 + 7)/7) \\ &:= (8 \times (888 + 8)) + (((88/8) - 8)^8) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - ((999 + 99)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13725 &:= 1 + (11 + (((1 + 1) \times (1 + 11))^{1+1+1}) - 111) \\ &:= ((2 + 2 + 2)^2) + (((22/2)^2) - (2 + 2))^2 \\ &:= ((3^3 - 3)^3) - (3 \times 33) \\ &:= 44 + ((4 \times ((4 \times 4) - 4^4)) + ((44/4)^4)) \\ &:= 5 \times ((5 \times ((5 + 5) \times 55)) - 5) \\ &:= 6 \times 6 + (((666/6) + 6)^{(6+6)/6}) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) - ((7 + 7)/7)) \\ &:= (8/8 + 8) \times ((8 \times 8 \times (8 + 8 + 8)) - 88/8) \\ &:= ((9 + 9 + 9) \times (((9 + 9)/9)^9)) - 99 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13730 &:= 1 + (1 + ((1 + 11) \times (1111 + (11 \times (1 + 1 + 1))))) \\ &:= 2 + (22 \times ((22 + 2) \times (22 + 2 + 2))) \\ &:= 3 + (((3^3 - 3)^3) - ((3 \times 33) + 3/3)) + 3 \\ &:= ((4 + 4)/4) + (((44 + 4) + 4) \times (4^4 + 4 + 4)) \\ &:= 5 + (5 \times ((5 \times ((5 + 5) \times 55)) - 5)) \\ &:= 6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - 6/6) - (6 \times 6) \\ &:= ((77 - 7)/7) + ((7 + 7) \times ((7 + 7) \times (77 - 7))) \\ &:= 8/8 + ((8 \times (888 + 8)) + (((88/8) - 8)^8)) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (((999 + 9)/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13731 &:= 11 + ((1 + 1) \times (1 + (((1 + 1) \times (11 - 1)) - 1)^{1+1+1})) \\ &:= (2 \times 22) + (((((22/2)^2) - (2 + 2))^2) - 2) \\ &:= 3 + (((3^3 - 3)^3) - (3 \times 33)) + 3 \\ &:= 4 + (((4^4 - 44)/4) \times ((4^4 - 4/4) + 4)) \\ &:= 5 + ((5 \times ((5 \times ((5 + 5) \times 55)) - 5)) + 5/5) \\ &:= 6 + (((666/6) + 6)^{(6+6)/6}) + (6 \times 6) \\ &:= (77/7) + ((7 + 7) \times ((7 + 7) \times (77 - 7))) \\ &:= (88 - ((88/8) + 8)) \times ((888/8) + 88) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - ((999/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13732 &:= ((1 + 111)^{1+1}) + (11 \times (111 - (1 + 1 + 1))) \\ &:= 2 + ((22 \times ((22 + 2) \times (22 + 2 + 2))) + 2) \\ &:= ((3^3 - 3)^3) - ((3 \times 3^3) + (33/3)) \\ &:= 4 + (((44 + 4) + 4) \times (4^4 + 4 + 4)) \\ &:= 55 + (((((5 + 5)/5) + 5)^5) - (5^5 + 5)) \\ &:= 6 \times 6 + (((((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - ((6 + 6)/6))) \\ &:= ((77 + 7)/7) + ((7 + 7) \times ((7 + 7) \times (77 - 7))) \\ &:= 8 + (((8 + 8) \times 888) - ((88 \times 88)/(8 + 8))) \\ &:= 9 \times 9 + ((99/9) \times (((9 + 9)/9)^9) + (9 \times (9 \times 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13733 &:= 1 + (((1 + 111)^{1+1}) + (11 \times (111 - (1 + 1 + 1)))) \\ &:= (2 \times 22) + (((((22/2)^2) - (2 + 2))^2) \\ &:= ((3^3 - 3)^3) + ((3 \times (3 - 33)) - 3/3) \\ &:= ((4 \times (4 + 4)) - 4/4) \times (444 - 4/4) \\ &:= 5 + (((5^5 - 5)/5) \times ((55 + 55)/5)) \\ &:= 6 + (((6 \times 6) + 6/6) \times ((6 \times (66 - 6)) + (66/6))) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) - 7/7) + 7 \\ &:= 8 + ((8/8 + 8) \times ((8 \times 8 \times (8 + 8 + 8)) - 88/8)) \\ &:= 99 + ((9 \times (9 \times (9 \times (9 + 9)))) + (((9 + 9)/9)^9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13734 &:= (11 - 1 - 1) \times ((1 + 1 + 1 + 11) \times (111 - (1 + 1))) \\ &:= 2 \times (((((2/2 + 2)^{2+2}) + 2)^2) - 22) \\ &:= ((3^3 - 3)^3) + (3 \times (3 - 33)) \\ &:= ((4^4 - 4)/4) \times ((444/((4 + 4)/4)) - 4) \\ &:= (5 \times (5 \times ((5 + 5) \times 55))) - (55/5 + 5) \\ &:= 6 + (66 \times ((6 \times 6 \times 6) - ((6 + 6)/6 + 6))) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + 7) \\ &:= ((8 + 8)/8) \times (((88/8) + 8)^{88/8-8}) + 8 \\ &:= 9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9)) - 99) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13735 &:= (((1 + 1)^{1+1+1}) \times (((1 + 11)^{1+1+1}) - 11)) - 1 \\ &:= 2 + (((((22/2)^2) - (2 + 2))^2) + 2 \times 22) \\ &:= 3/3 + (((3^3 - 3)^3) + (3 \times (3 - 33))) \\ &:= 4 + (((4^4 - 44)/4) \times ((4^4 - 4/4) + 4)) + 4 \\ &:= 5 + ((5 \times ((5 \times ((5 + 5) \times 55)) - 5)) + 5) \\ &:= (66 + 6/6) \times ((6 \times 6 \times 6) - (66/6)) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + 7/7) + 7 \\ &:= (8 \times (8 \times (8 \times (8 + 8) + 88))) - (8/8 + 88) \\ &:= 9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9)) - 99) + 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13736 &:= ((1 + 1)^{1+1+1}) \times (((1 + 11)^{1+1+1}) - 11) \\ &:= ((22 + 2)^{2/2+2}) - (2 \times 2 \times 22) \\ &:= (33/3) + (((3^3 - 3)^3) - (3 \times 33)) \\ &:= 4 + (((44 + 4) + 4) \times (4^4 + 4 + 4)) + 4 \\ &:= (55/5) + (5 \times ((5 \times ((5 + 5) \times 55)) - 5)) \\ &:= 6/6 + ((66 + 6/6) \times ((6 \times 6 \times 6) - (66/6))) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + ((7 + 7)/7)) + 7 \\ &:= (8 \times (8 \times (8 \times (8 + 8) + 88))) - 88 \\ &:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9 + 9)) - ((9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13737 &:= 1 + (((1 + 1)^{1+1+1}) \times (((1 + 11)^{1+1+1}) - 11)) \\ &:= (2 \times 22^2) + (((222/2) + 2)^2) \\ &:= 3 + (((3^3 - 3)^3) + (3 \times (3 - 33))) \\ &:= 4 + (((4 \times (4 + 4)) - 4/4) \times (444 - 4/4)) \\ &:= 55 + (((((5 + 5)/5) + 5)^5) - 5^5) \\ &:= ((6/6 + 6 + 6) + 6) \times (((6 \times 6/(6 + 6))^6) - 6) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + ((77 - 7)/7)) \\ &:= 8 + ((8 \times (888 + 8)) + (((88/8) - 8)^8)) \\ &:= ((9/9 + 9) + 9) \times (((9 + 9 + 9)/9) - 9) + (9 \times (9 \times 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13738 &:= (1 + 1) \times (11 + (((1 + 1) \times (11 - 1)) - 1)^{1+1+1} - 1) \\ &:= 2 + (((22 + 2)^{2/2+2}) - (2 \times 2 \times 22)) \\ &:= 3 + (((3^3 - 3)^3) + (3 \times (3 - 33))) + 3/3 \\ &:= 4 + (((4^4 - 4)/4) \times ((444/((4 + 4)/4)) - 4)) \\ &:= (5 \times (5 \times ((5 + 5) \times 55))) - ((55 + 5)/5) \\ &:= ((6 - 6/6)^6) - (((66/6) + 6) \times (666/6)) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + (77/7)) \\ &:= ((8 + 8)/8) + ((8 \times (8 \times (8 \times (8 + 8) + 88))) - 88) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (((999 + 9) + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13739 &:= 11 \times (((1 + 1) \times ((1 + (1 + 1) \times (1 + 11))^{1+1})) - 1) \\ &:= 2 + (((((222/2) + 2)^2) + (2 \times 22^2)) \\ &:= ((3^3 - 3)^3) - (((3 \times 3^3) + 3/3) + 3) \\ &:= (44/4) + (((44 + 4) + 4) \times (4^4 + 4 + 4)) \\ &:= (55/5) \times (((5^5 - 5) + 5^5)/5) \\ &:= (66/6) \times ((6 \times (6 \times 6 \times 6) - 6) - (66/6)) \\ &:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + ((77 + 7)/7)) \\ &:= (88/8) \times (((88 + 8) \times (88 + 8 + 8)) + 8/8) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - ((999 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13740 &:= (1 + 11) \times ((11^{1+1}) + ((1 + 1)^{11-1})) \\ &:= 22 + (2 \times ((22 - (2/2 + 2))^{2/2+2})) \\ &:= ((3^3 - 3)^3) - ((3 \times 3^3) + 3) \\ &:= 44 + (4 \times ((4 + 4) \times (444 - 4 \times 4))) \\ &:= (5 + 5) \times ((5 \times (5 \times 55)) - 5/5) \\ &:= (66 - 6) \times (((6 \times 6 \times 6) + 6/6) + 6) + 6 \\ &:= (7 - 7/7) \times (((7 \times (7 \times 7 \times 7)) - (777/7)) \\ &:= ((88 + 8)/8) \times (((8 + 8) \times ((8 \times 8) + 8)) - 8) + 8/8 \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (999/9) \end{aligned}$$

- ▶ **13741** := $1 + ((1 + 11) \times ((11^{1+1}) + ((1 + 1)^{11-1})))$
:= $((22/2) + 2) \times (((2 \times 22 + 2)^2) - 2)/2$
:= $3/3 + (((3^3 - 3)^3) - (3 \times 3^3) + 3)$
:= $((44/4)^4) + ((4/4 - 4) \times (44 + 4^4))$
:= $5/5 + ((5 + 5) \times ((5 \times (5 \times 55)) - 5/5))$
:= $6 + ((66 + 6/6) \times ((6 \times 6 \times 6) - (66/6)))$
:= $7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + 7) + 7$
:= $((88 + 8 + 8)/8) \times (((88 \times (88 + 8)) + 8)/8)$
:= $((9 - 999)/9) + (9 \times (9 \times ((9 \times (9 + 9)) + 9)))$
- ▶ **13742** := $1 + (1 + ((1 + 11) \times ((11^{1+1}) + ((1 + 1)^{11-1}))))$
:= $(222 \times ((2^{2+2+2}) - 2)) - 22$
:= $((3^3 - 3)^3) - ((3 \times 3^3) + 3/3)$
:= $((4 + 4)/4) \times (((44/4) \times ((4/4 + 4)^4)) - 4)$
:= $5 + (((((5 + 5)/5) + 5^5) - 5^5) + 55)$
:= $(66 \times (6 \times 6 \times 6 - 6)) - (((666 + 6)/6) + 6)$
:= $7 + (((((7 + 7) \times ((7 + 7) \times (77 - 7))) + 7/7) + 7) + 7)$
:= $8 + (((8 + 8)/8) \times (((88/8) + 8)^{88/8-8}) + 8)$
:= $(9 \times (9 \times ((9 \times (9 + 9)) + 9))) - ((9/9 + 99) + 9)$
- ▶ **13743** := $((1 + 111)^{1+1}) + (11 \times (111 - (1 + 1)))$
:= $((22 + 2)^{2/2+2}) - ((2/2 + 2)^{2+2})$
:= $((3^3 - 3)^3) - (3 \times 3^3)$
:= $((4 \times 4 + 4) + 4)^{4-4/4} - ((4 - 4/4)^4)$
:= $(5 \times (5 \times ((5 + 5) \times 55))) - (((5 + 5)/5) + 5)$
:= $(6 \times (6 \times ((6 \times 66) + 6))) - ((6 \times 6/(6 + 6))^6)$
:= $((77/7 + 7) + 7) \times ((7 \times 77) + (77/7)) - 7$
:= $(8/8 + 8) \times ((8 \times 8 \times (8 + 8 + 8)) - (8/8 + 8))$
:= $(9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (99 + 9)$
- ▶ **13744** := $1 + (((1 + 111)^{1+1}) + (11 \times (111 - (1 + 1))))$
:= $2 + ((222 \times ((2^{2+2+2}) - 2)) - 22)$
:= $3/3 + (((3^3 - 3)^3) - (3 \times 3^3))$
:= $4 \times ((4 \times (4 \times (4^4 - 44)) + 44)$
:= $(5 \times (5 \times ((5 + 5) \times 55))) - (5/5 + 5)$
:= $((6 + 6)/6)^6 + ((66 - 6) \times ((6 \times 6 \times 6) + 6) + 6)$
:= $((77/7) - 7) \times (((7 \times (7 \times (77 - 7))) - 7/7) + 7)$
:= $8 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) - 88)$
:= $9/9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (99 + 9))$
- ▶ **13745** := $1 + (1 + (((1 + 111)^{1+1}) + (11 \times (111 - (1 + 1)))))$
:= $((22/2)^{2+2}) - (2 \times (2 \times (222 + 2)))$
:= $3 + (((3^3 - 3)^3) - ((3 \times 3^3) + 3/3))$
:= $((44/4)^4) + (4 \times ((4 \times (4 + 4)) - 4^4))$
:= $(5 \times (5 \times ((5 + 5) \times 55))) - 5$
:= $6 + ((66/6) \times ((6 \times (6 \times 6 \times 6) - 6)) - (66/6))$
:= $7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + (77/7)) + 7$
:= $((88/8)^{8 \times 8/(8+8)}) - (888 + 8)$
:= $9 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9 + 9)) - ((9 + 9)/9)))$
- ▶ **13746** := $(1 + 1) \times ((11 \times ((1 + (1 + 1) \times (1 + 11))^{1+1})) - (1 + 1))$
:= $(22 \times ((2/2 + 2 + 2)^{2+2})) - (2 + 2)$
:= $3 + (((3^3 - 3)^3) - (3 \times 3^3))$
:= $((4/4 + 4)^4) \times (44/((4 + 4)/4)) - 4$
:= $5/5 + ((5 \times (5 \times ((5 + 5) \times 55))) - 5)$
:= $66 + ((66 - 6) \times ((6 \times 6 \times 6) + 6))$
:= $(7 - 7/7) \times (((7 - 777)/7) + (7 \times (7 \times 7 \times 7)))$
:= $((8 + 8)/8) \times ((8/8 - 88) \times ((8/8 - 88) + 8))$
:= $((9 \times 9) - ((9 + 9)/9)) \times (((99 + 9)/9) + (9 \times (9 + 9)))$
- ▶ **13747** := $((1 + 1)^{11+1+1}) + ((11111 - 1)/(1 + 1))$
:= $(22 \times ((2/2 + 2 + 2)^{2+2})) - (2/2 + 2)$
:= $3 + (((3^3 - 3)^3) - (3 \times 3^3)) + 3/3$
:= $4 + (((4 \times 4 + 4) + 4)^{4-4/4}) - ((4 - 4/4)^4)$
:= $((5 + 5)/5) + ((5 \times (5 \times ((5 + 5) \times 55))) - 5)$
:= $6 + (((66 + 6/6) \times ((6 \times 6 \times 6) - (66/6))) + 6)$
:= $7 + ((7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) - (777/7)))$
:= $88/8 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) - 88)$
:= $9999/9 + ((99 + 9) \times (99 + 9 + 9))$
- ▶ **13748** := $(1 + 1) \times ((11 \times ((1 + (1 + 1) \times (1 + 11))^{1+1})) - 1)$
:= $(22 \times ((2/2 + 2 + 2)^{2+2})) - 2$
:= $((3^3 - 3)^3) - (((3 + 3)^3) + 3)/3 + 3$
:= $4 + (4 \times ((4 \times (4 \times (4^4 - 44)) + 44))$
:= $(5 \times (5 \times ((5 + 5) \times 55))) - ((5 + 5)/5)$
:= $(66 \times (6 \times 6 \times 6 - 6)) - ((666 + 6)/6)$
:= $7 \times (((7 + 7)/7)^{7/7}) - (77 + 7)$
:= $(8 \times ((8 \times (8 \times (8 + 8) + 88)) - 8)) - ((88 + 8)/8)$
:= $9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - ((999 + 9)/9))$
- ▶ **13749** := $((1 + 1) \times (11 \times ((1 + (1 + 1) \times (1 + 11))^{1+1}))) - 1$
:= $(22 \times ((2/2 + 2 + 2)^{2+2})) - 2/2$
:= $3 + (((3^3 - 3)^3) - (3 \times 3^3)) + 3$
:= $4 + ((4 \times ((4 \times (4 + 4)) - 4^4)) + ((44/4)^4))$
:= $(5 \times (5 \times ((5 + 5) \times 55))) - 5/5$
:= $(66 \times (6 \times 6 \times 6 - 6)) - (666/6)$
:= $7/7 + (7 \times (((7 + 7)/7)^{7/7}) - (77 + 7))$
:= $(8 \times ((8 \times (8 \times (8 + 8) + 88)) - 8)) - (88/8)$
:= $9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (999/9))$
- ▶ **13750** := $(1 + 1) \times (11 \times ((1 + (1 + 1) \times (1 + 11))^{1+1}))$
:= $22 \times ((2/2 + 2 + 2)^{2+2})$
:= $(33/3) \times (((33/3)^3) - (3 \times 3^3))$
:= $((4/4 + 4)^4) \times (44/((4 + 4)/4))$
:= $5 \times (5 \times ((5 + 5) \times 55))$
:= $((6 - 666)/6) + (66 \times (6 \times 6 \times 6 - 6))$
:= $((77/7 + 7) + 7) \times ((7 \times 77) + (77/7))$
:= $(88/8) \times (((8 + 8)/8) + 8)^{8 \times 8/(8+8)}/8$
:= $(9/9 + 9) \times ((9 \times ((9 \times (9 + 9)) - 9)) - ((9 + 9)/9))$

$$\begin{aligned}
\blacktriangleright 13751 &:= 1 + ((1 + 1) \times (11 \times ((1 + (1 + 1) \times (1 + 11))^{1+1}))) \\
&:= 2/2 + (22 \times ((2/2 + 2 + 2)^{2+2})) \\
&:= ((3^3 - 3^3) - (((3 + 3)^3) + 3)/3) \\
&:= 4/4 + (((4/4 + 4)^4) \times (44/((4 + 4)/4))) \\
&:= 5/5 + (5 \times (5 \times ((5 + 5) \times 55))) \\
&:= (6 \times ((6 \times (6 \times (((6 + 6)/6)^6))) - (6 + 6))) - 6/6 \\
&:= (((7 + 7 + 7)/7)^7) + ((7 + 7) \times (777 + (7 \times 7))) \\
&:= (8 \times ((8 \times (8 \times (8 + 8) + 88)) - 8)) - (8/8 + 8) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13752 &:= (1 + 1) \times (1 + (11 \times ((1 + (1 + 1) \times (1 + 11))^{1+1}))) \\
&:= 2 + (22 \times ((2/2 + 2 + 2)^{2+2})) \\
&:= (3 \times (3 - 3^3)) + ((3^3 - 3^3) \\
&:= 444 + ((4^4 \times ((44 + 4) + 4)) - 4) \\
&:= ((5 + 5)/5) + (5 \times (5 \times ((5 + 5) \times 55))) \\
&:= 6 \times ((6 \times (6 \times (((6 + 6)/6)^6))) - (6 + 6)) \\
&:= (77/7 + 7) \times ((777 - 7 - 7) + 7/7) \\
&:= (8/8 + 8) \times ((8 \times 8 \times (8 + 8 + 8)) - 8) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13753 &:= (111 \times (1 + (1 + (1 + (11^{1+1})))) - 11 \\
&:= ((22/2)^{2+2}) - (2 \times 2 \times 222) \\
&:= ((3^3 - 3^3) + ((3 - ((3 + 3)^3))/3) \\
&:= ((44/4)^4) - (444 + 444) \\
&:= 5 + ((5 \times (5 \times ((5 + 5) \times 55))) - ((5 + 5)/5)) \\
&:= 6/6 + (6 \times ((6 \times (6 \times (((6 + 6)/6)^6))) - (6 + 6))) \\
&:= (((7 \times 7 \times 7) + 7/7) \times ((7 \times 7) - ((7 + 7)/7 + 7))) - 7 \\
&:= ((88/8)^{8 \times 8/(8+8)}) - 888 \\
&:= 9/9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13754 &:= (11 \times (111 - 1)) + ((1 + 111)^{1+1}) \\
&:= (22 + 2 + 2) \times ((22 + 2/2)^2) \\
&:= 3 + (((3^3 - 3^3) - (((3 + 3)^3) + 3)/3) \\
&:= 4 + (((4/4 + 4)^4) \times (44/((4 + 4)/4))) \\
&:= 5 + ((5 \times (5 \times ((5 + 5) \times 55))) - 5/5) \\
&:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - 6/6) - 6 \\
&:= 7 \times 7 + (((77 \times 77) - 7/7) + 7777) \\
&:= 8/8 + (((88/8)^{8 \times 8/(8+8)}) - 888) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13755 &:= 1 + ((11 \times (111 - 1)) + ((1 + 111)^{1+1})) \\
&:= 2 + (((22/2)^{2+2}) - (2 \times 2 \times 222)) \\
&:= 3 + ((3 \times (3 - 3^3)) + ((3^3 - 3^3) \\
&:= 444 + ((4^4 \times ((44 + 4) + 4)) - 4/4) \\
&:= 5 + (5 \times (5 \times ((5 + 5) \times 55))) \\
&:= 66 + (((666/6) + 6)^{(6+6)/6}) \\
&:= 7 \times 7 + (7777 + (77 \times 77)) \\
&:= 8 + (((8 \times (8 \times (8 \times (8 + 8) + 88))) - 88) + (88/8)) \\
&:= ((9 + 9 + 9)/9) + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13756 &:= 1 + (1 + ((11 \times (111 - 1)) + ((1 + 111)^{1+1}))) \\
&:= 2 + ((22 + 2 + 2) \times ((22 + 2/2)^2)) \\
&:= 3 + (((3 - ((3 + 3)^3))/3) + ((3^3 - 3^3) \\
&:= 444 + (4^4 \times ((44 + 4) + 4)) \\
&:= 5 + ((5 \times (5 \times ((5 + 5) \times 55))) + 5/5) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) + ((6 - 666)/6)) \\
&:= (7/7 - 77) \times (7 - ((777/7) + 77)) \\
&:= ((88/8) + 8) \times (((88 + 8)/8) + (8 \times 88)) + 8 \\
&:= ((9/9 + 9) + 9) \times (((9 - 99)/(9 + 9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13757 &:= 1 + (1 + (1 + (11 \times (111 - 1)) + ((1 + 111)^{1+1}))) \\
&:= ((22/2)^{2+2}) + (2 \times (2 - (2 \times 222))) \\
&:= ((3^3 - 3^3) - (((3/3 + 3)^3) + 3) \\
&:= ((44/4)^4) - ((44 \times (4 \times 4 + 4)) + 4) \\
&:= 5 + ((5 \times (5 \times ((5 + 5) \times 55))) + ((5 + 5)/5)) \\
&:= (6 \times (6 \times (6 \times (((6 + 6)/6)^6))) - (66 + 6/6)) \\
&:= 7 + (((77/7 + 7) + 7) \times ((7 \times 77) + (77/7))) \\
&:= 8 + ((8 \times ((8 \times (8 \times (8 + 8) + 88)) - 8)) - 88/8) \\
&:= (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13758 &:= (1 + 1) \times (1 + (1 + ((1 + 1 + 11) \times ((1 + 11 + 11)^{1+1})))) \\
&:= 2 + (((22 + 2 + 2) \times ((22 + 2/2)^2)) + 2) \\
&:= ((3^3 - 3^3) - (33 + 33) \\
&:= 4 + (((4/4 + 4)^4) \times (44/((4 + 4)/4))) + 4 \\
&:= 5 + (((5 \times (5 \times ((5 + 5) \times 55))) - ((5 + 5)/5)) + 5) \\
&:= (6 \times (6 \times (6 \times (((6 + 6)/6)^6))) - 66 \\
&:= 7 \times 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) - (77/7)) \\
&:= (8 \times ((8 \times (8 \times (8 + 8) + 88)) - 8)) - ((8 + 8)/8) \\
&:= (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13759 &:= 11 + ((1 + 1) \times ((11 \times ((1 + (1 + 1) \times (1 + 11))^{1+1})) - 1)) \\
&:= ((22/2)^{2+2}) - (2 \times ((22 - 2/2)^2)) \\
&:= 3/3 + (((3^3 - 3^3) - (33 + 33)) \\
&:= (4 \times ((4 \times 4 + 4) \times ((4 \times 44) - 4))) - 4/4 \\
&:= 5 + (((5 \times (5 \times ((5 + 5) \times 55))) - 5/5) + 5) \\
&:= 6/6 + ((6 \times (6 \times (6 \times (((6 + 6)/6)^6))) - 66) \\
&:= 7 + ((77/7 + 7) \times ((777 - 7 - 7) + 7/7)) \\
&:= (8 \times ((8 \times (8 \times (8 + 8) + 88)) - 8)) - 8/8 \\
&:= (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13760 &:= (11 - 1) \times (1 + (11 \times (1 + (1 + (1 + (1 + (11^{1+1}))))))) \\
&:= ((22 + 2)^{2/2+2}) - (2^{2+2+2}) \\
&:= ((3^3 - 3^3) - ((3/3 + 3)^3) \\
&:= 4 \times ((4 \times 4 + 4) \times ((4 \times 44) - 4)) \\
&:= 5 + ((5 \times (5 \times ((5 + 5) \times 55))) + 5) \\
&:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) - 6/6) \\
&:= ((7 \times 7 \times 7) + 7/7) \times ((7 \times 7) - ((7 + 7)/7 + 7)) \\
&:= 8 \times ((8 \times (8 \times (8 + 8) + 88)) - 8) \\
&:= (9/9 + 9) \times ((9 \times ((9 \times (9 + 9)) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13761 &:= 11 \times (1 + ((1+1) \times ((1 + (1+1) \times (1+11))^{1+1}))) \\
&:= (((22/2)^2) - 2)^2 - ((22-2)^2) \\
&:= 3 + (((3^3 - 3)^3) - (33+33)) \\
&:= ((44/4)^4) - (44 \times (4 \times 4 + 4)) \\
&:= (55/5) + (5 \times (5 \times ((5+5) \times 55))) \\
&:= 6 + (((666/6) + 6)^{(6+6)/6}) + 66 \\
&:= 7 \times 7 + (((7+7) \times ((7+7) \times (77-7))) - (7/7+7)) \\
&:= 8/8 + (8 \times ((8 \times (8 \times (8+8) + 88)) - 8)) \\
&:= (9 \times ((9 \times (9 \times (9+9)) + 9)) - 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13762 &:= (111 \times (1 + (1 + (1 + (11^{1+1})))) - (1+1)) \\
&:= (222 \times ((2^{2+2+2}) - 2)) - 2 \\
&:= 3 + (((3^3 - 3)^3) - (33+33)) + 3/3 \\
&:= 4/4 + (((44/4)^4) - (44 \times (4 \times 4 + 4))) \\
&:= ((55+5)/5) + (5 \times (5 \times ((5+5) \times 55))) \\
&:= 66 + (((6+6)/6)^6) \times ((6 \times 6 \times 6) - ((6+6)/6)) \\
&:= 7 \times 7 + (((7+7) \times ((7+7) \times (77-7))) - 7) \\
&:= ((8+8)/8) + (8 \times ((8 \times (8 \times (8+8) + 88)) - 8)) \\
&:= 9/9 + ((9 \times (9 \times ((9 \times (9+9)) + 9)) - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13763 &:= (111 \times (1 + (1 + (1 + (11^{1+1})))) - 1) \\
&:= (222 \times ((2^{2+2+2}) - 2)) - 2/2 \\
&:= 3 + (((3^3 - 3)^3) - ((3/3+3)^3)) \\
&:= (444 \times ((4 \times (4+4)) - 4/4)) - 4/4 \\
&:= (5 \times 5 \times 555) - ((555+5)/5) \\
&:= ((6+6) \times ((6666/6) + (6 \times 6))) - 6/6 \\
&:= 7 + ((7/7 - 77) \times (7 - ((777/7) + 77))) \\
&:= 88/8 + ((8/8+8) \times ((8 \times 8 \times (8+8+8)) - 8)) \\
&:= ((9+9)/9) + ((9 \times (9 \times ((9 \times (9+9)) + 9)) - 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13764 &:= 111 \times (1 + (1 + (1 + (11^{1+1})))) \\
&:= 222 \times ((2^{2+2+2}) - 2) \\
&:= ((3^3 - 3)^3) - (3^3 + 33) \\
&:= 444 \times ((4 \times (4+4)) - 4/4) \\
&:= (555/5) \times ((5 \times 5 \times 5) - 5/5) \\
&:= (6+6) \times ((6666/6) + (6 \times 6)) \\
&:= (777/7) \times (((777-7)/7) + 7) + 7 \\
&:= (888/8) \times ((8 \times (8+8)) - (8 \times 8/(8+8))) \\
&:= ((99+9)/9) + ((9 \times (9 \times ((9 \times (9+9)) + 9))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13765 &:= 1 + (111 \times (1 + (1 + (1 + (11^{1+1})))))) \\
&:= 2/2 + (222 \times ((2^{2+2+2}) - 2)) \\
&:= 3/3 + (((3^3 - 3)^3) - (3^3 + 33)) \\
&:= 4 + (((44/4)^4) - (44 \times (4 \times 4 + 4))) \\
&:= 5 + (((5 \times (5 \times ((5+5) \times 55))) + 5) + 5) \\
&:= 6/6 + ((6+6) \times ((6666/6) + (6 \times 6))) \\
&:= (((7 \times 7) - 7/7) \times ((7 \times ((7 \times 7) - 7)) - 7)) - (77/7) \\
&:= 8 + (((8 \times ((8 \times (8 \times (8+8) + 88)) - 8)) - 88/8) + 8) \\
&:= ((9-99)/(9+9)) + (9 \times ((9 \times (9 \times (9+9)) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13766 &:= 1 + (1 + (111 \times (1 + (1 + (1 + (11^{1+1})))))) \\
&:= 2 + (222 \times ((2^{2+2+2}) - 2)) \\
&:= 3 + (((3^3 - 3)^3) - ((3/3+3)^3)) + 3 \\
&:= 4 \times 4 + (((4/4+4)^4) \times (44/((4+4)/4))) \\
&:= 5 + ((5 \times (5 \times ((5+5) \times 55))) + (55/5)) \\
&:= 6 + (((6+6)/6)^6) \times ((6 \times 6 \times 6) - 6/6) \\
&:= 77 + (((777-7)/7) + 7)^{(7+7)/7} \\
&:= 8 + ((8 \times ((8 \times (8 \times (8+8) + 88)) - 8)) - ((8+8)/8)) \\
&:= ((9-9 \times 9)/(9+9)) + (9 \times ((9 \times (9 \times (9+9)) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13767 &:= 1 + (1 + (1 + (111 \times (1 + (1 + (1 + (11^{1+1}))))))) \\
&:= 2 + ((222 \times ((2^{2+2+2}) - 2)) + 2/2) \\
&:= 3 + (((3^3 - 3)^3) - (3^3 + 33)) \\
&:= 4 + ((444 \times ((4 \times (4+4)) - 4/4)) - 4/4) \\
&:= (((5^5+5)/5) \times ((55+55)/5)) - 5 \\
&:= 6 + (((666/6) + 6)^{(6+6)/6}) + 66 + 6 \\
&:= 7 + ((7 \times 7 \times 7) + 7/7) \times ((7 \times 7) - ((7+7)/7+7)) \\
&:= 8 + ((8 \times ((8 \times (8 \times (8+8) + 88)) - 8)) - 8/8) \\
&:= (9 \times ((9 \times (9 \times (9+9)) + 9)) - 9) - ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13768 &:= 1 + (1 + (1 + (1 + (111 \times (1 + (1 + (1 + (11^{1+1}))))))) \\
&:= 2 + ((222 \times ((2^{2+2+2}) - 2)) + 2) \\
&:= ((3^3 - 3)^3) - ((333+3)/(3+3)) \\
&:= 4 + (444 \times ((4 \times (4+4)) - 4/4)) \\
&:= 5 + ((5 \times 5 \times 555) - ((555+5)/5)) \\
&:= 6 + (((6+6)/6)^6) \times ((6 \times 6 \times 6) - ((6+6)/6)) + 66 \\
&:= 7 \times 7 + (((7+7) \times ((7+7) \times (77-7))) - 7/7) \\
&:= 8 + (8 \times ((8 \times (8 \times (8+8) + 88)) - 8)) \\
&:= (9 \times ((9 \times (9 \times (9+9)) + 9)) - 9) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13769 &:= ((11-1)^{1+1+1}) + ((1 + (1 + 111))^{1+1}) \\
&:= 2 + ((222 \times ((2^{2+2+2}) - 2)) + 2/2) + 2 \\
&:= 3 \times 3 + (((3^3 - 3)^3) - ((3/3+3)^3)) \\
&:= 4 + (((44/4)^4) - (44 \times (4 \times 4 + 4))) + 4 \\
&:= 5 + ((555/5) \times ((5 \times 5 \times 5) - 5/5)) \\
&:= 6 + ((6+6) \times ((6666/6) + (6 \times 6))) - 6/6 \\
&:= 7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) - (7+7))) + 7) \\
&:= 8 + ((8 \times ((8 \times (8 \times (8+8) + 88)) - 8)) + 8/8) \\
&:= (9 \times ((9 \times (9 \times (9+9)) + 9)) - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13770 &:= ((11-1-1)^{1+1}) \times (1 + ((1+1+11)^{1+1})) \\
&:= 2 \times (((2/2+2)^{2+2}) + 2)^2 - (2+2) \\
&:= ((3^3 - 3)^3) - (3^3 + 3^3) \\
&:= (4^4 - 4/4) \times (((44-4)/4) + 44) \\
&:= (5 \times ((5 \times ((5+5) \times 55))) + 5) - 5 \\
&:= 6 + ((6+6) \times ((6666/6) + (6 \times 6))) \\
&:= 7/7 + (((7+7) \times ((7+7) \times (77-7))) + (7 \times 7)) \\
&:= (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) - ((8+8)/8)) \\
&:= 9 \times ((9 \times (9 \times (9+9)) + 9)) - 9
\end{aligned}$$

► **13771** := 11111 + ((1 + 1) × ((11¹⁺¹⁺¹) - 1))
 := 22 + ((22 × ((2/2 + 2 + 2)²⁺²)) - 2/2)
 := 3/3 + (((3³ - 3)³) - (3³ + 3³))
 := 4⁴ + ((4⁴ - 4/4) × ((4⁴ - 44)/4))
 := 5/5 + ((5 × ((5 × ((5 + 5) × 55)) + 5)) - 5)
 := 6 + (((6 + 6) × ((6666/6) + (6 × 6))) + 6/6)
 := ((7 × 7) - ((7 + 7)/7)) × ((7 × ((7 × 7) - 7)) - 7/7)
 := 88/8 + (8 × ((8 × (8 × (8 + 8) + 88)) - 8))
 := 9/9 + (9 × ((9 × ((9 × (9 + 9)) + 9)) - 9))

► **13776** := (1 + 111) × (1 + (1 + (11¹⁺¹)))
 := (22 + 2) × (((22 + 2)²) - 2)
 := 33 + (((3³ - 3)³) - (3 × 3³))
 := 4 × (((4 × 4 + 4) × ((4 × 44) - 4)) + 4)
 := 5/5 + (5 × ((5 × ((5 + 5) × 55)) + 5))
 := (6 + 6) × (((6666 + 6)/6) + (6 × 6))
 := ((7 × 7) - 7/7) × ((7 × ((7 × 7) - 7)) - 7)
 := 8 + ((8 × ((8 × (8 × (8 + 8) + 88)) - 8)) + 8)
 := 9 + ((9 × ((9 × ((9 × (9 + 9)) + 9)) - 9)) - ((9 + 9 + 9)/9))

► **13772** := 11 × ((11 × (1 + (1 + (1 + 111)))) - (1 + 1))
 := 22 + (22 × ((2/2 + 2 + 2)²⁺²)
 := 3 + (((3³ - 3)³) - ((3/3 + 3)³) + 3 × 3)
 := 4 + ((444 × ((4 × (4 + 4)) - 4/4)) + 4)
 := ((5⁵ + 5)/5) × ((55 + 55)/5)
 := 6 + (((((6 + 6)/6)⁶) × ((6 × 6 × 6) - 6/6)) + 6)
 := 77/7 × (((7 + 7) × (77 + 7)) - 7/7 + 77)
 := 8 + ((888/8) × ((8 × (8 + 8)) - (8 × 8/(8 + 8))))
 := ((9 + 9)/9) + (9 × ((9 × ((9 × (9 + 9)) + 9)) - 9))

► **13777** := 1 + ((1 + 111) × (1 + (1 + (11¹⁺¹))))
 := 2/2 + ((22 + 2) × (((22 + 2)²) - 2))
 := ((3³ - 3)³) - (((33/3) + 33) + 3)
 := ((44/4)⁴) + (4 × (44 - (4⁴ + 4)))
 := 5 + (((5⁵ + 5)/5) × ((55 + 55)/5))
 := (6 × ((6 × (6 × (((6 + 6)/6)⁶))) - 6)) - (66/6)
 := 7/7 + (((7 × 7) - 7/7) × ((7 × ((7 × 7) - 7)) - 7))
 := 88 + (((8 × (8 + 8)) - 88/8)^{(8+8)/8})
 := 9 + ((9 × ((9 × ((9 × (9 + 9)) + 9)) - 9)) - ((9 + 9)/9))

► **13773** := ((1 + (11¹⁺¹))¹⁺¹) - 1111
 := (222/2)² + ((2/2 + 2) × 22²)
 := 3 + (((3³ - 3)³) - (3³ + 3³))
 := ((44/4)⁴) + ((4 × (44 - (4⁴ + 4))) - 4)
 := (5 × ((5 × ((5 + 5) × 55)) + 5)) - ((5 + 5)/5)
 := 6 + (((((666/6) + 6)^{(6+6)/6}) + 66) + 6) + 6
 := 7 + (((((777 - 7)/7) + 7)^{(7+7)/7}) + 77)
 := 88 + (((8 + 8) × 888) - ((8 × 8 × 8) + (88/8)))
 := ((9 + 9 + 9)/9) + (9 × ((9 × ((9 × (9 + 9)) + 9)) - 9))

► **13778** := 1 + (1 + ((1 + 111) × (1 + (1 + (11¹⁺¹)))))
 := 2 × (((2/2 + 2)²⁺²) + 2)²
 := 3³ + (((3³ - 3)³) - (((3 + 3)³) + 3/3))
 := ((4⁴ + 4) × ((4⁴ - 44)/4)) - ((4 + 4)/4)
 := 5 + ((5 × ((5 × ((5 + 5) × 55)) + 5)) - ((5 + 5)/5))
 := 6 + (((((6 + 6)/6)⁶) × ((6 × 6 × 6) - 6/6)) + 6) + 6
 := ((7 + 7)/7) × (((77 - 7/7) + 7)^{(7+7)/7})
 := 8 + (((88/8) + 8) + 8) × ((8 × 8 × 8) - ((8 + 8)/8))
 := 9 + ((9 × ((9 × ((9 × (9 + 9)) + 9)) - 9)) - 9/9)

► **13774** := 1 + (((1 + (11¹⁺¹))¹⁺¹) - 1111)
 := 2 × (((2/2 + 2)²⁺²) + 2)² - 2
 := 3 + (((3³ - 3)³) - (3³ + 3³) + 3/3)
 := 4 + ((4⁴ - 4/4) × (((44 - 4)/4) + 44))
 := (5 × ((5 × ((5 + 5) × 55)) + 5)) - 5/5
 := ((6/6 - 66) × (6 - ((6 × 6 × 6) + ((6 + 6)/6)))) - 6
 := ((7 × (7 + 7)) - 7/7) × (((7 + 7)/7)⁷ + 7) + 7
 := (((8 × 8) - 8/8) + 8) × ((8 × (8 + 8 + 8)) + ((8 + 8)/8))
 := (((9 × 9) - 9)/(9 + 9)) + (9 × ((9 × ((9 × (9 + 9)) + 9)) - 9))

► **13779** := 1 + (1 + (1 + ((1 + 111) × (1 + (1 + (11¹⁺¹)))))
 := 2/2 + (2 × (((2/2 + 2)²⁺²) + 2)²)
 := ((3³ - 3)³) + (3 × (3 - (3 × (3 + 3))))
 := ((4⁴ + 4) × ((4⁴ - 44)/4)) - 4/4
 := 5 + ((5 × ((5 × ((5 + 5) × 55)) + 5)) - 5/5)
 := (6 × ((6 × ((6 × 66) + 6)) + 6)) - ((6 × 6/(6 + 6))⁶)
 := ((77 - 7) × (((7 + 7) × (7 + 7)) + 7/7)) - (77/7)
 := 8 + ((8 × ((8 × (8 × (8 + 8) + 88)) - 8)) + (88/8))
 := 9 + (9 × ((9 × ((9 × (9 + 9)) + 9)) - 9))

► **13775** := ((1 + 111) × (1 + (1 + (11¹⁺¹)))) - 1
 := ((22 + 2) × (((22 + 2)²) - 2)) - 2/2
 := 33 + (((3³ - 3)³) - ((3 × 3³) + 3/3))
 := 4⁴ + (((4⁴ + 4) × ((44 + 4) + 4)) - 4/4)
 := 5 × ((5 × ((5 + 5) × 55)) + 5)
 := ((6/6 + 6 + 6) + 6) × (((66 × 66) - 6)/6)
 := (((7 × 7) - 7/7) × ((7 × ((7 × 7) - 7)) - 7)) - 7/7
 := 8 + (((8 × ((8 × (8 × (8 + 8) + 88)) - 8)) - 8/8) + 8)
 := ((9/9 + 9) + 9) × (((9 - (9 × 9))/(9 + 9)) + (9 × (9 × 9)))

► **13780** := (1 + 1) × (1 + ((1 + (1 + ((11 - 1 - 1)¹⁺¹)))¹⁺¹))
 := 2 + (2 × (((2/2 + 2)²⁺²) + 2)²)
 := ((3³ - 3)³) - ((33/3) + 33)
 := (4⁴ + 4) × ((4⁴ - 44)/4)
 := 5 + (5 × ((5 × ((5 + 5) × 55)) + 5))
 := (6/6 - 66) × (6 - ((6 × 6 × 6) + ((6 + 6)/6)))
 := 7 × 7 + (((7 + 7) × ((7 + 7) × (77 - 7))) + (77/7))
 := (8/8 + (8 × 8)) × (((8 × 8 × 8) - 88)/(8 + 8/8))
 := 9 + ((9 × ((9 × ((9 × (9 + 9)) + 9)) - 9)) + 9/9)

$$\begin{aligned} \blacktriangleright 13781 &:= (11 \times ((11 \times (1 + (1 + (1 + 111)))) - 1)) - (1 + 1) \\ &:= 2 + (2 \times (((2/2 + 2)^{2+2} + 2)^2) + 2/2) \\ &:= ((3 - 33)/3) + (((3^3 - 3)^3) - 33) \\ &:= 4/4 + ((4^4 + 4) \times ((4^4 - 44)/4)) \\ &:= 5 + ((5 \times ((5 \times ((5 + 5) \times 55)) + 5)) + 5/5) \\ &:= (6 \times ((6 \times (6 \times (((6 + 6)/6)^6))) - 6)) - (6/6 + 6) \\ &:= ((77/7 + 7) \times (777 - (77/7))) - 7 \\ &:= (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) - (8 + 8) \\ &:= (99/9) + (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13786 &:= (1 + (1 + 111)) \times (1 + (11^{1+1})) \\ &:= 2 \times (((((2/2 + 2)^{2+2} + 2)^2) + 2) + 2) \\ &:= ((3^3 - 3)^3) - ((33/3) + 3^3) \\ &:= 4^4 + (((44/4)^4) - (4444/4)) \\ &:= (55/5) + (5 \times ((5 \times ((5 + 5) \times 55)) + 5)) \\ &:= (6 \times ((6 \times (6 \times (((6 + 6)/6)^6))) - 6)) - ((6 + 6)/6) \\ &:= 77 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) - (77/7)) \\ &:= ((888 + 88)/8) \times (((888 + 8) + 8)/8) \\ &:= 9 + (((9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) - ((9 + 9)/9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13782 &:= (11 \times ((11 \times (1 + (1 + (1 + 111)))) - 1)) - 1 \\ &:= 2 \times (((((2/2 + 2)^{2+2} + 2)^2) + 2) + 2) \\ &:= ((3^3 - 3)^3) - (3 \times 3 + 33) \\ &:= ((4 + 4)/4) + ((4^4 + 4) \times ((4^4 - 44)/4)) \\ &:= (((5 + 5)/5) + 5)^5 - (55 \times 55) \\ &:= (6 \times ((6 \times (6 \times (((6 + 6)/6)^6))) - 6)) - 6 \\ &:= (7 - 7/7) \times (((7 \times 7) - 7/7)^{(7+7)/7}) - 7 \\ &:= 8 + (((8 \times 8) - 8/8) + 8) \times ((8 \times (8 + 8 + 8)) + ((8 + 8)/8)) \\ &:= ((99 + 9)/9) + (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13787 &:= 1 + ((1 + (1 + 111)) \times (1 + (11^{1+1}))) \\ &:= (22/2) + ((22 + 2) \times (((22 + 2)^2) - 2)) \\ &:= ((3^3 - 3)^3) - ((3/3 + 33) + 3) \\ &:= 4 + (((4^4 + 4) \times ((4^4 - 44)/4)) - 4/4) + 4 \\ &:= 5 + (((5 + 5)/5) + 5)^5 - (55 \times 55) \\ &:= (6 \times ((6 \times (6 \times (((6 + 6)/6)^6))) - 6)) - 6/6 \\ &:= (77/7) + (((7 \times 7) - 7/7) \times ((7 \times ((7 \times 7) - 7)) - 7)) \\ &:= (8/8 + 8 + 8) \times ((888 - 88) + (88/8)) \\ &:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9 + 9)) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13783 &:= 11 \times ((11 \times (1 + (1 + (1 + 111)))) - 1) \\ &:= 2/2 + (2 \times (((((2/2 + 2)^{2+2} + 2)^2) + 2) + 2)) \\ &:= 3 + (((3^3 - 3)^3) - ((33/3) + 33)) \\ &:= 4 + (((4^4 + 4) \times ((4^4 - 44)/4)) - 4/4) \\ &:= 55 + (((5^5 - 5)/5) \times ((55 + 55)/5)) \\ &:= 6/6 + ((6 \times ((6 \times (6 \times (((6 + 6)/6)^6))) - 6)) - 6) \\ &:= 7 + (((7 \times 7) - 7/7) \times ((7 \times ((7 \times 7) - 7)) - 7)) \\ &:= 88 + (((8 + 8) \times 888) - ((8 \times 8 \times 8) + 8/8)) \\ &:= ((99 + 9 + 9)/9) + (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13788 &:= 1 + (1 + ((1 + (1 + 111)) \times (1 + (11^{1+1})))) \\ &:= ((22 + 2)^{2/2+2}) - ((2 + 2 + 2)^2) \\ &:= ((3^3 - 3)^3) - (33 + 3) \\ &:= 4 + (((4^4 + 4) \times ((4^4 - 44)/4)) + 4) \\ &:= ((55 + 5)/5) \times (((5 - 5/5)^5) + 5 \times 5 \times 5) \\ &:= 6 \times ((6 \times (6 \times (((6 + 6)/6)^6))) - 6) \\ &:= (77/7 + 7) \times (777 - (77/7)) \\ &:= (8/8 + 8) \times ((8 \times 8 \times (8 + 8 + 8)) - (8 \times 8/(8 + 8))) \\ &:= 9 + ((9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13784 &:= 1 + (11 \times ((11 \times (1 + (1 + (1 + 111)))) - 1)) \\ &:= 2 + (2 \times (((((2/2 + 2)^{2+2} + 2)^2) + 2) + 2)) \\ &:= ((3^3 - 3)^3) - (((3/3 + 33) + 3) + 3) \\ &:= 4 + ((4^4 + 4) \times ((4^4 - 44)/4)) \\ &:= 5 + (((5 \times ((5 \times ((5 + 5) \times 55)) + 5)) - 5/5) + 5) \\ &:= (((6 \times 6) - 6/6) \times ((6 \times 66) - ((6 + 6)/6))) - 6 \\ &:= 7 + (((7 \times 7) - 7/7) \times ((7 \times ((7 \times 7) - 7)) - 7)) + 7/7 \\ &:= 88 + ((8 + 8) \times ((8 \times (88 + 8)) + 88)) \\ &:= (99 \times (9 + 9 + 9)) + (99999/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13789 &:= 1 + (1 + (1 + ((1 + (1 + 111)) \times (1 + (11^{1+1})))))) \\ &:= (22/2) + (2 \times (((2/2 + 2)^{2+2} + 2)^2)) \\ &:= 3/3 + (((3^3 - 3)^3) - (33 + 3)) \\ &:= ((44/4)^4) + ((4 \times (44 - 4^4)) - 4) \\ &:= (5 \times (5 \times 555 + 5)) - (555/5) \\ &:= 6/6 + (6 \times ((6 \times (6 \times (((6 + 6)/6)^6))) - 6)) \\ &:= ((77 - 7) \times (((7 + 7) \times (7 + 7)) + 7/7)) - 7/7 \\ &:= (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) - 8 \\ &:= 9 + (((9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) + 9/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13785 &:= ((1 + (1 + 111)) \times (1 + (11^{1+1}))) - 1 \\ &:= 2 + (2 \times (((((2/2 + 2)^{2+2} + 2)^2) + 2) + 2/2)) \\ &:= ((3^3 - 3)^3) - ((33 + 3) + 3) \\ &:= 4 + (((4^4 + 4) \times ((4^4 - 44)/4)) + 4/4) \\ &:= 5 + ((5 \times ((5 \times ((5 + 5) \times 55)) + 5)) + 5) \\ &:= 6 \times 6 + ((66 \times (6 \times 6 \times 6 - 6)) - (666/6)) \\ &:= 7 + (((7 + 7)/7) \times (((77 - 7/7) + 7)^{(7+7)/7})) \\ &:= 8 + (((8 \times (8 + 8)) - 88/8)^{(8+8)/8}) + 88 \\ &:= (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - ((9 + 9 + 9)/9))) - 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13790 &:= 1 + (1 + (1 + (1 + ((1 + (1 + 111)) \times (1 + (11^{1+1})))))) \\ &:= 2 + (((22 + 2)^{2/2+2}) - ((2 + 2 + 2)^2)) \\ &:= ((3^3 - 3)^3) - (3/3 + 33) \\ &:= 4 + (((44/4)^4) - (4444/4)) + 4^4 \\ &:= (5 + 5) \times (((5 \times (5 \times 55)) - 5/5) + 5) \\ &:= ((6 \times 6) - 6/6) \times ((6 \times 66) - ((6 + 6)/6)) \\ &:= (77 - 7) \times (((7 + 7) \times (7 + 7)) + 7/7) \\ &:= 8/8 + (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) - 8 \\ &:= 9 + ((9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) + (99/9)) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13791 &:= (((1+1) \times (1+11))^{1+1+1}) - (11 \times (1+1+1)) \\
&:= ((22+2)^{2/2+2}) - ((22/2) + 22) \\
&:= ((3^3 - 3^3)^3) - 33 \\
&:= (44/4) + ((4^4 + 4) \times ((4^4 - 44)/4)) \\
&:= 5 + ((5 \times ((5 \times ((5+5) \times 55)) + 5)) + (55/5)) \\
&:= 6 \times 6 + (((666/6) + 6)^{(6+6)/6}) + 66 \\
&:= 7/7 + ((77 - 7) \times (((7+7) \times (7+7)) + 7/7)) \\
&:= ((88/8) - 8) \times ((8 \times (8 \times ((8 \times 8) + 8))) - 88/8) \\
&:= 9 + ((9 \times ((9 \times ((9 \times (9+9)) + 9)) - 9)) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13792 &:= (11 \times (11 \times (1 + (1 + (1 + 111)))))) - (1 + 1) \\
&:= ((22+2)^{2/2+2}) - (2 \times (2^{2+2})) \\
&:= 3/3 + (((3^3 - 3^3)^3) - 33) \\
&:= (4+4) \times ((4 \times ((4 \times 44) + 4^4)) - 4) \\
&:= 5 + (((((5+5)/5) + 5)^5) - (55 \times 55)) + 5 \\
&:= (66 \times (6 \times 6 \times 6 - 6)) - (((6+6)/6) + 66) \\
&:= ((7+7)/7) + ((77 - 7) \times (((7+7) \times (7+7)) + 7/7)) \\
&:= ((8+8+8) \times ((8 \times ((8 \times 8) + 8)) - 8/8)) - 8 \\
&:= ((99+99)/9) + (9 \times ((9 \times ((9 \times (9+9)) + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13793 &:= (11 \times (11 \times (1 + (1 + (1 + 111)))))) - 1 \\
&:= (2^{2 \times (2+2)+2}) + (((222/2) + 2)^2) \\
&:= 3 + (((3^3 - 3^3)^3) - (3/3 + 33)) \\
&:= ((44/4)^4) + (4 \times (44 - 4^4)) \\
&:= (555/5) + (((((5+5)/5) + 5)^5) - 5^5) \\
&:= (66 \times (6 \times 6 \times 6 - 6)) - (66 + 6/6) \\
&:= ((7 - 7/7) + 7) \times (((7777 - 7)/7) - (7 \times 7)) \\
&:= (((88/8) - 8)^8) + (8 \times ((888 + 8) + 8)) \\
&:= 9 + ((99999/9) + (99 \times (9+9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13794 &:= 11 \times (11 \times (1 + (1 + (1 + 111)))) \\
&:= 22 \times (((2/2 + 2 + 2)^{2+2}) + 2) \\
&:= 3 + (((3^3 - 3^3)^3) - 33) \\
&:= 44 + (((4/4 + 4)^4) \times (44/((4+4)/4))) \\
&:= (55/5) \times (((5^5 - 5) + 5^5)/5) + 5 \\
&:= 66 \times ((6 \times 6 \times 6) - (6/6 + 6)) \\
&:= (((((7+7)/7)^7) - 7) \times (((7+7)/7)^7) - (7+7)) \\
&:= (88/8) \times (((88/8) + 8) \times (((8+8)/8) + (8 \times 8))) \\
&:= ((9/9+9) + 9) \times ((9 \times (9 \times 9)) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13795 &:= 1 + (11 \times (11 \times (1 + (1 + (1 + 111)))))) \\
&:= 2/2 + (22 \times (((2/2 + 2 + 2)^{2+2}) + 2)) \\
&:= 3 + (((3^3 - 3^3)^3) - 33) + 3/3 \\
&:= ((4 \times (4+4)) - 4/4) \times (444 + 4/4) \\
&:= (5 \times ((5 \times 555) - 5)) - 55 \\
&:= 6/6 + (66 \times ((6 \times 6 \times 6) - (6/6 + 6))) \\
&:= 7 + ((77/7 + 7) \times (777 - (77/7))) \\
&:= (8/8 + 88) \times (((8 \times (8+8) + (88/8)) + 8) + 8) \\
&:= (((9+9)/9)^9) + (((9+9) \times ((9 \times (9 \times 9)) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13796 &:= 1 + (1 + (11 \times (11 \times (1 + (1 + (1 + 111)))))) \\
&:= 2 + (22 \times (((2/2 + 2 + 2)^{2+2}) + 2)) \\
&:= ((3^3 - 3^3)^3) - (3^3 + 3/3) \\
&:= 4 + ((4+4) \times ((4 \times ((4 \times 44) + 4^4)) - 4)) \\
&:= 5/5 + ((5 \times ((5 \times 555) - 5)) - 55) \\
&:= (66 \times (6 \times 6 \times 6 - 6)) - (((6+6)/6)^6) \\
&:= 77 + (((7+7) \times ((7+7) \times (77 - 7))) - 7/7) \\
&:= (((888 - 8)/8) + 8)^{(8+8)/8} - (8 \times (8+8)) \\
&:= (((9+9)/9)^9) + ((9+9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13797 &:= 11 + ((1 + (1 + 111)) \times (1 + (11^{1+1}))) \\
&:= 2 + ((22 \times (((2/2 + 2 + 2)^{2+2}) + 2)) + 2/2) \\
&:= ((3^3 - 3^3)^3) - 3^3 \\
&:= 4 + ((4 \times (44 - 4^4)) + ((44/4)^4)) \\
&:= 5 \times 5 + (((5^5 + 5)/5) \times ((55 + 55)/5)) \\
&:= 6/6 + ((66 \times (6 \times 6 \times 6 - 6)) - (((6+6)/6)^6)) \\
&:= 7 \times (((7+7)/7)^{7/7}) - 77 \\
&:= (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) \\
&:= (9+9+9) \times (((9+9)/9)^9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13798 &:= 1 + (11 + ((1 + (1 + 111)) \times (1 + (11^{1+1})))) \\
&:= 22 + ((22 + 2) \times (((22 + 2)^2) - 2)) \\
&:= 3/3 + (((3^3 - 3^3)^3) - 3^3) \\
&:= 4 + (((4 \times (44 - 4^4)) + ((44/4)^4)) + 4/4) \\
&:= ((5+5) \times ((5 \times (5 \times 55)) + 5)) - ((5+5)/5) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) - (((6+6)/6) + 66)) \\
&:= 7/7 + (((7+7) \times ((7+7) \times (77 - 7))) + 77) \\
&:= 8/8 + (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) \\
&:= 9/9 + ((9+9+9) \times (((9+9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13799 &:= (((11^{1+1}) - 1) \times (1 + (1 + (1 + (1 + 111)))))) - 1 \\
&:= ((22 + 2)^{2/2+2}) - ((22 + 2/2) + 2) \\
&:= 3 + (((3^3 - 3^3)^3) - (3^3 + 3/3)) \\
&:= 4 + (((4 \times (4+4)) - 4/4) \times (444 + 4/4)) \\
&:= ((5+5) \times ((5 \times (5 \times 55)) + 5)) - 5/5 \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) - (66 + 6/6)) \\
&:= ((7/7 + 77) \times (((7+7)/7)^7) + (7 \times 7)) - 7 \\
&:= ((8+8+8) \times ((8 \times ((8 \times 8) + 8)) - 8/8)) - 8/8 \\
&:= 9 + (((9 \times ((9 \times (9 \times (9+9)) + 9)) - 9)) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13800 &:= ((11^{1+1}) - 1) \times (1 + (1 + (1 + (1 + 111)))) \\
&:= (22 + 2) \times (((22 + 2)^2) - 2/2) \\
&:= 3 + (((3^3 - 3^3)^3) - 3^3) \\
&:= (44 + 4^4) \times (((4+4)/4) + 44) \\
&:= (5+5) \times ((5 \times (5 \times 55)) + 5) \\
&:= 6 + (66 \times ((6 \times 6 \times 6) - (6/6 + 6))) \\
&:= ((77 - 7)/7) \times (((7 \times ((7+7) \times (7+7))) + 7/7) + 7) \\
&:= (8+8+8) \times ((8 \times ((8 \times 8) + 8)) - 8/8) \\
&:= (999/9) + ((99+9+9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13801 &:= 1 + (((11^{1+1}) - 1) \times (1 + (1 + (1 + (1 + 111)))))) \\
&:= ((22 + 2)^{2/2+2}) - (22 + 2/2) \\
&:= 3 + (((3^3 - 3)^3) - 3^3) + 3/3 \\
&:= 4 + (((4 \times (44 - 4^4)) + ((44/4)^4)) + 4) \\
&:= 5/5 + ((5 + 5) \times ((5 \times (5 \times 55)) + 5)) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - (6/6 + 6))) + 6/6) \\
&:= 7 + (((((7 + 7)/7)^7) - 7) \times (((7 + 7)/7)^7) - (7 + 7)) \\
&:= 8/8 + ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8/8)) \\
&:= ((999 + 9)/9) + ((99 + 9 + 9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13802 &:= (((1 + 1) \times (1 + 11))^{1+1+1}) - (11 + 11) \\
&:= ((22 + 2)^{2/2+2}) - 22 \\
&:= (33/3) + (((3^3 - 3)^3) - 33) \\
&:= ((4 + 4)/4) + (44 + 4^4) \times (((4 + 4)/4) + 44) \\
&:= ((5 + 5)/5) + ((5 + 5) \times ((5 \times (5 \times 55)) + 5)) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) - (((6 + 6)/6)^6)) \\
&:= 7 + (((77/7 + 7) \times (777 - (77/7))) + 7) \\
&:= ((8 + 8)/8) + ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) - 8/8)) \\
&:= ((9 - (9 \times 99))/(9 + 9)) + (9 \times (9 \times ((9 \times (9 + 9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13803 &:= 1 + (((1 + 1) \times (1 + 11))^{1+1+1}) - (11 + 11) \\
&:= 2/2 + (((22 + 2)^{2/2+2}) - 22) \\
&:= 3 + (((3^3 - 3)^3) - 3^3) + 3 \\
&:= (44 - 4/4) \times (((4^4 + 4)/4) + 4^4) \\
&:= 5 + (((5 + 5) \times ((5 \times (5 \times 55)) + 5)) - ((5 + 5)/5)) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 - 6)) - (((6 + 6)/6)^6)) + 6/6) \\
&:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) - 7/7) + 77 \\
&:= (8 \times (8 + 8) + 8/8) \times (((88/8) + 88) + 8) \\
&:= ((99 - 9/9) + 9) \times (((999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13804 &:= (11 \times (1 + (11 \times (1 + (1 + (1 + 111)))))) - 1 \\
&:= 2 + (((22 + 2)^{2/2+2}) - 22) \\
&:= ((3^3 - 3)^3) - ((33/3) + 3 \times 3) \\
&:= 4 + (44 + 4^4) \times (((4 + 4)/4) + 44) \\
&:= 5 + (((5 + 5) \times ((5 \times (5 \times 55)) + 5)) - 5/5) \\
&:= (6/6 + 6) \times ((66 \times (6 \times 6 - 6)) - ((6 + 6)/6 + 6)) \\
&:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + 77) \\
&:= ((888/8) + 8) \times ((8 \times (8 + 8)) - ((88 + 8)/8)) \\
&:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9 + 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13805 &:= 11 \times (1 + (11 \times (1 + (1 + (1 + 111)))))) \\
&:= 2 + (((22 + 2)^{2/2+2}) - 22) + 2/2 \\
&:= ((3^3 - 3)^3) - ((3 \times (3 + 3)) + 3/3) \\
&:= ((44/4) + 44) \times (4^4 - (4/4 + 4)) \\
&:= 5 + ((5 + 5) \times ((5 \times (5 \times 55)) + 5)) \\
&:= (66/6) + (66 \times ((6 \times 6 \times 6) - (6/6 + 6))) \\
&:= 7 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + 77) + 7/7 \\
&:= 8 + (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13806 &:= 1 + (11 \times (1 + (11 \times (1 + (1 + (1 + 111)))))) \\
&:= 2 + (((22 + 2)^{2/2+2}) - 22) + 2 \\
&:= ((3^3 - 3)^3) - (3 \times (3 + 3)) \\
&:= 4/4 + (((44/4) + 44) \times (4^4 - (4/4 + 4))) \\
&:= 5 + (((5 + 5) \times ((5 \times (5 \times 55)) + 5)) + 5/5) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - 666 \\
&:= (7/7 + 77) \times (((7 + 7)/7)^7) + (7 \times 7) \\
&:= (8/8 + 8) \times ((8 \times 8 \times (8 + 8 + 8)) - ((8 + 8)/8)) \\
&:= ((9 + 9 + 9) \times ((9 + 9)/9)^9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13807 &:= 1 + (1 + (11 \times (1 + (11 \times (1 + (1 + (1 + 111))))))) \\
&:= ((22 + 2)^{2/2+2}) - ((2^{2+2}) + 2/2) \\
&:= 3/3 + (((3^3 - 3)^3) - (3 \times (3 + 3))) \\
&:= 4 + ((44 - 4/4) \times (((4^4 + 4)/4) + 4^4)) \\
&:= (5 \times 5 \times 5) + (((((5 + 5)/5) + 5)^5) - 5^5) \\
&:= 6/6 + ((6 \times (6 \times ((6 \times 66) + 6))) - 666) \\
&:= ((7 + 7) \times ((7 + 7) \times (77 - 7)) + 7) - (77/7) \\
&:= (8 \times (8 \times (8 \times (8 + 8) + 88))) - (8/8 + 8 + 8) \\
&:= 9/9 + (((9 + 9 + 9) \times ((9 + 9)/9)^9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13808 &:= ((1 + 1)^{1+1+1}) \times (((1 + 11)^{1+1+1}) - (1 + 1)) \\
&:= ((22 + 2)^{2/2+2}) - (2^{2+2}) \\
&:= (33/3) + (((3^3 - 3)^3) - 3^3) \\
&:= 4 \times ((4 \times (4 \times ((4^4 - 44) + 4))) - 4) \\
&:= (5 \times 5 \times 555) - (((55 + 5)/5) + 55) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 - 6)) - (((6 + 6)/6)^6)) + 6) \\
&:= 77 + (((7 + 7) \times ((7 + 7) \times (77 - 7))) + (77/7)) \\
&:= (8 \times (8 \times (8 \times (8 + 8) + 88))) - (8 + 8) \\
&:= ((9 + 9)/9) + (((9 + 9 + 9) \times ((9 + 9)/9)^9) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13809 &:= 1 + (((1 + 1)^{1+1+1}) \times (((1 + 11)^{1+1+1}) - (1 + 1))) \\
&:= 2/2 + (((22 + 2)^{2/2+2}) - (2^{2+2})) \\
&:= 3 + (((3^3 - 3)^3) - (3 \times (3 + 3))) \\
&:= ((44/4)^4) + (4 \times ((44 - 4^4) + 4)) \\
&:= (5 \times 5 \times 555) - ((55/5) + 55) \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) + 6))) - ((6 \times 6)/(6 + 6))^6) \\
&:= ((7 + 7) \times ((7 + 7) \times (77 - 7)) + 7) - ((7 + 7)/7 + 7) \\
&:= 8/8 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) - (8 + 8)) \\
&:= 9 + (((99 + 9 + 9)^{(9+9)/9}) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13810 &:= (((1 + 1) \times (1 + 11))^{1+1+1}) - (1 + 1 + 1 + 11) \\
&:= 2 + (((22 + 2)^{2/2+2}) - (2^{2+2})) \\
&:= ((3^3 - 3)^3) - (33/3 + 3) \\
&:= 4/4 + ((4 \times ((44 - 4^4) + 4)) + ((44/4)^4)) \\
&:= 5 + (((5 + 5) \times ((5 \times (5 \times 55)) + 5)) + 5) \\
&:= (6 - 6/6) \times ((66 \times (6 \times 6 + 6)) + ((6 - 66)/6)) \\
&:= ((7 + 7) \times ((7 + 7) \times (77 - 7)) + 7) - (7/7 + 7) \\
&:= ((8 + 8)/8) + ((8 \times (8 \times (8 \times (8 + 8) + 88))) - (8 + 8)) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (((9 \times (9 \times 9)) + 9)/(9 + 9))
\end{aligned}$$

- **13811** := $((1+1) \times (1+11))^{1+1+1} - (1+1+11)$
:= $((22+2)^{2/2+2}) - ((22/2)+2)$
:= $((3-33)/3) + (((3^3-3)^3) - 3)$
:= $4 + (((44-4/4) \times (((4^4+4)/4) + 4^4)) + 4)$
:= $(55/5) + ((5+5) \times ((5 \times (5 \times 55)) + 5))$
:= $(6/6+6) \times ((66 \times (6 \times 6-6)) - (6/6+6))$
:= $((7+7) \times (((7+7) \times (77-7)) + 7)) - 7$
:= $8 + ((8 \times (8+8) + 8/8) \times (((88/8) + 88) + 8))$
:= $((9-9 \times (9 \times 9)))/(9+9) + (9 \times (9 \times ((9 \times (9+9)) + 9)))$
- **13812** := $((1+1) \times (1+11))^{1+1+1} - 11 - 1$
:= $(2+2+2) \times (((2 \times (22+2))^2) - 2)$
:= $((3^3-3)^3) - (3 \times 3+3)$
:= $4 + (4 \times ((4 \times (4 \times ((4^4-44) + 4))) - 4))$
:= $5 + (((((5+5)/5) + 5)^5) - 5^5) + 5 \times 5 \times 5$
:= $(6 \times (6 \times (6 \times (((6+6)/6)^6))) - (6+6))$
:= $7/7 + (((7+7) \times (((7+7) \times (77-7)) + 7)) - 7)$
:= $((88+8)/8) \times (((8+8) \times ((8 \times 8) + 8)) - 8/8)$
:= $((9+9+9) \times (((9+9)/9)^9) - ((99+9)/9)$
- **13813** := $((1+1) \times (1+11))^{1+1+1} - 11$
:= $((22+2)^{2/2+2}) - (22/2)$
:= $((3^3-3)^3) - (33/3)$
:= $((4 \times 4 + 4) + 4)^{4-4/4} - (44/4)$
:= $(5 \times 5 \times 555) + ((5 - (5^5/5))/(5+5))$
:= $(6 \times (6 \times (6 \times (((6+6)/6)^6))) - (66/6)$
:= $7 + ((7/7 + 77) \times (((7+7)/7)^7) + (7 \times 7))$
:= $(8 \times (8 \times (8 \times (8+8) + 88))) - (88/8)$
:= $((9/9+9) + 9) \times ((9 \times (9 \times 9)) - ((9+9)/9))$
- **13814** := $1 + (((1+1) \times (1+11))^{1+1+1} - 11)$
:= $2 + ((2+2+2) \times (((2 \times (22+2))^2) - 2))$
:= $((3-33)/3) + ((3^3-3)^3)$
:= $((4-44)/4) + (((4 \times 4 + 4) + 4)^{4-4/4})$
:= $(5 \times 5 \times 555) - ((55+5/5) + 5)$
:= $((6-66)/6) + (6 \times (6 \times (6 \times (((6+6)/6)^6))) - 6)$
:= $7 + (((7+7) \times (((7+7) \times (77-7)) + 7)) - (77/7))$
:= $((8-88)/8) + (8 \times (8 \times (8 \times (8+8) + 88)))$
:= $((9+9+9) \times (((9+9)/9)^9) - (9/9+9))$
- **13815** := $1 + (1 + (((1+1) \times (1+11))^{1+1+1} - 11))$
:= $2 + (((22+2)^{2/2+2}) - (22/2))$
:= $((3^3-3)^3) - (3 \times 3)$
:= $((4 \times 4 + 4) + 4)^{4-4/4} - ((4/4+4) + 4)$
:= $(5 \times 5 \times 555) - (55+5)$
:= $66 + ((66 \times (6 \times 6 \times 6 - 6)) - (666/6))$
:= $((77/7)^{77/7-7}) - (777 + (7 \times 7))$
:= $(8/8+8) \times ((8 \times 8 \times (8+8) + 88)) - 8/8$
:= $((9+9+9) \times (((9+9)/9)^9) - 9)$
- **13816** := $11 \times (1 + (1 + (11 \times (1 + (1 + (1 + 111))))))$
:= $((22+2)^{2/2+2}) - (2 \times (2+2))$
:= $3 + (((3^3-3)^3) - 33/3)$
:= $((4 \times 4 + 4) + 4)^{4-4/4} - (4+4)$
:= $5/5 + ((5 \times 5 \times 555) - (55+5))$
:= $(6 \times (6 \times (6 \times (((6+6)/6)^6))) - ((6+6)/6+6)$
:= $((7+7) \times (((7+7) \times (77-7)) + 7)) - ((7+7)/7)$
:= $(8 \times (8 \times (8 \times (8+8) + 88))) - 8$
:= $9/9 + (((9+9+9) \times (((9+9)/9)^9)) - 9)$
- **13817** := $1 + (11 \times (1 + (1 + (11 \times (1 + (1 + (1 + 111))))))$
:= $((2 \times 22)^2) + ((222/2 - 2)^2)$
:= $((3^3-3)^3) - (3/3+3+3)$
:= $4 + (((4 \times 4 + 4) + 4)^{4-4/4} - 44/4)$
:= $((5+5)/5) + ((5 \times 5 \times 555) - (55+5))$
:= $(6 \times (6 \times (6 \times (((6+6)/6)^6))) - (6/6+6)$
:= $((7+7) \times (((7+7) \times (77-7)) + 7)) - 7/7$
:= $8/8 + ((8 \times (8 \times (8 \times (8+8) + 88))) - 8)$
:= $((9+9)/9) + (((9+9+9) \times (((9+9)/9)^9)) - 9)$
- **13818** := $((1+1) \times (1+11))^{1+1+1} - ((1+1) \times (1+1+1))$
:= $((22+2)^{2/2+2}) - (2+2+2)$
:= $((3^3-3)^3) - (3+3)$
:= $((4 \times 4 + 4) + 4)^{4-4/4} - (((4+4)/4) + 4)$
:= $(5 \times 5 \times 555) - (((5+5)/5) + 55)$
:= $(6 \times (6 \times (6 \times (((6+6)/6)^6))) - 6$
:= $(7+7) \times (((7+7) \times (77-7)) + 7)$
:= $((8+8)/8) + ((8 \times (8 \times (8 \times (8+8) + 88))) - 8)$
:= $((9+9+9)/9) + (((9+9+9) \times (((9+9)/9)^9)) - 9)$
- **13819** := $((1+1) \times (1+11))^{1+1+1} - (1+1+1+1+1)$
:= $((22+2)^{2/2+2}) - (2/2+2+2)$
:= $3/3 + (((3^3-3)^3) - (3+3))$
:= $((4 \times 4 + 4) + 4)^{4-4/4} - (4/4+4)$
:= $(5 \times 5 \times 555) - (55+5/5)$
:= $6/6 + ((6 \times (6 \times (6 \times (((6+6)/6)^6))) - 6)$
:= $7/7 + ((7+7) \times (((7+7) \times (77-7)) + 7))$
:= $88/8 + ((8 \times (8 \times (8 \times (8+8) + 88))) - (8+8))$
:= $((9-99)/(9+9)) + ((9+9+9) \times (((9+9)/9)^9))$
- **13820** := $((1+1) \times (1+11))^{1+1+1} - (1+1+1+1)$
:= $((22+2)^{2/2+2}) - (2+2)$
:= $((3^3-3)^3) - (3/3+3)$
:= $((4 \times 4 + 4) + 4)^{4-4/4} - 4$
:= $(5 \times 5 \times 555) - 55$
:= $((6+6)/6) + ((6 \times (6 \times (6 \times (((6+6)/6)^6))) - 6)$
:= $((7+7)/7) + ((7+7) \times (((7+7) \times (77-7)) + 7))$
:= $(8 \times (8 \times (8 \times (8+8) + 88))) - (8 \times 8/(8+8))$
:= $((9-9 \times 9)/(9+9)) + ((9+9+9) \times (((9+9)/9)^9))$

$$\begin{aligned}
\blacktriangleright 13821 &:= (((1+1) \times (1+11))^{1+1+1}) - (1+1+1) \\
&:= ((22+2)^{2/2+2}) - (2/2+2) \\
&:= ((3^3-3)^3) - 3 \\
&:= 4/4 + (((4 \times 4 + 4) + 4)^{4-4/4}) - 4 \\
&:= 5/5 + ((5 \times 5 \times 555) - 55) \\
&:= (6 \times (6 \times (6 \times (((6+6)/6)^6))) - (6 \times 6/(6+6)) \\
&:= ((7+7+7)/7) + ((7+7) \times (((7+7) \times (77-7)) + 7)) \\
&:= 8 + ((8 \times (8 \times (8 \times (8+8) + 88))) - 88/8) \\
&:= ((9+9+9)/9) \times ((9 \times (((9+9)/9)^9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13822 &:= (((1+1) \times (1+11))^{1+1+1}) - (1+1) \\
&:= ((22+2)^{2/2+2}) - 2 \\
&:= 3/3 + (((3^3-3)^3) - 3) \\
&:= (((4 \times 4 + 4) + 4)^{4-4/4}) - ((4+4)/4) \\
&:= ((5+5)/5) + ((5 \times 5 \times 555) - 55) \\
&:= (6 \times (6 \times (6 \times (((6+6)/6)^6))) - ((6+6)/6) \\
&:= (77/7) + (((7+7) \times (((7+7) \times (77-7)) + 7)) - 7) \\
&:= (8 \times (8 \times (8 \times (8+8) + 88))) - ((8+8)/8) \\
&:= ((9+9+9) \times (((9+9)/9)^9)) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13823 &:= (((1+1) \times (1+11))^{1+1+1}) - 1 \\
&:= ((22+2)^{2/2+2}) - 2/2 \\
&:= ((3^3-3)^3) - 3/3 \\
&:= (((4 \times 4 + 4) + 4)^{4-4/4}) - 4/4 \\
&:= (5 \times ((5 \times 555) - (5+5))) - ((5+5)/5) \\
&:= (6 \times (6 \times (6 \times (((6+6)/6)^6))) - 6/6 \\
&:= 7 + (((7+7) \times (((7+7) \times (77-7)) + 7)) - ((7+7)/7)) \\
&:= (8 \times (8 \times (8 \times (8+8) + 88))) - 8/8 \\
&:= ((9+9+9) \times (((9+9)/9)^9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13824 &:= ((1+1) \times (1+11))^{1+1+1} \\
&:= (22+2)^{2/2+2} \\
&:= (3^3-3)^3 \\
&:= ((4 \times 4 + 4) + 4)^{4-4/4} \\
&:= ((5 \times 5) - 5/5)^{5-(5+5)/5} \\
&:= 6 \times (6 \times (6 \times (((6+6)/6)^6)) \\
&:= (7-7/7) \times (((7 \times 7) - 7/7)^{(7+7)/7}) \\
&:= 8 \times (8 \times (8 \times (8+8) + 88)) \\
&:= (9+9+9) \times (((9+9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13825 &:= 1 + (((1+1) \times (1+11))^{1+1+1}) \\
&:= 2/2 + ((22+2)^{2/2+2}) \\
&:= 3/3 + ((3^3-3)^3) \\
&:= 4/4 + (((4 \times 4 + 4) + 4)^{4-4/4}) \\
&:= 5 \times ((5 \times 555) - (5+5)) \\
&:= 6/6 + (6 \times (6 \times (6 \times (((6+6)/6)^6))) \\
&:= 7 + ((7+7) \times (((7+7) \times (77-7)) + 7)) \\
&:= 8/8 + (8 \times (8 \times (8 \times (8+8) + 88))) \\
&:= 9/9 + ((9+9+9) \times (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13826 &:= 1 + (1 + (((1+1) \times (1+11))^{1+1+1})) \\
&:= 2 + ((22+2)^{2/2+2}) \\
&:= 3 + (((3^3-3)^3) - 3/3) \\
&:= ((4+4)/4) + (((4 \times 4 + 4) + 4)^{4-4/4}) \\
&:= 5/5 + (5 \times ((5 \times 555) - (5+5))) \\
&:= ((6+6)/6) + (6 \times (6 \times (6 \times (((6+6)/6)^6))) \\
&:= 7 + (((7+7) \times (((7+7) \times (77-7)) + 7)) + 7/7) \\
&:= ((8+8)/8) + (8 \times (8 \times (8 \times (8+8) + 88))) \\
&:= ((9+9)/9) + ((9+9+9) \times (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13827 &:= 1 + (1 + (1 + (((1+1) \times (1+11))^{1+1+1}))) \\
&:= 2 + (((22+2)^{2/2+2}) + 2/2) \\
&:= 3 + ((3^3-3)^3) \\
&:= 4 + (((4 \times 4 + 4) + 4)^{4-4/4}) - 4/4 \\
&:= ((5+5)/5) + (5 \times ((5 \times 555) - (5+5))) \\
&:= (6 \times 6/(6+6)) + (6 \times (6 \times (6 \times (((6+6)/6)^6))) \\
&:= 7 + (((7+7) \times (((7+7) \times (77-7)) + 7)) + (7+7)/7) \\
&:= 88/8 + ((8 \times (8 \times (8 \times (8+8) + 88))) - 8) \\
&:= ((9+9+9)/9) + ((9+9+9) \times (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13828 &:= 1 + (1 + (1 + (1 + (((1+1) \times (1+11))^{1+1+1})))) \\
&:= 2 + (((22+2)^{2/2+2}) + 2) \\
&:= 3 + (((3^3-3)^3) + 3/3) \\
&:= 4 + (((4 \times 4 + 4) + 4)^{4-4/4}) \\
&:= 5 + ((5 \times ((5 \times 555) - (5+5))) - ((5+5)/5)) \\
&:= 6 + ((6 \times (6 \times (6 \times (((6+6)/6)^6))) - ((6+6)/6)) \\
&:= ((77-7)/7) + ((7+7) \times (((7+7) \times (77-7)) + 7)) \\
&:= (8 \times 8/(8+8)) + (8 \times (8 \times (8 \times (8+8) + 88))) \\
&:= (((9 \times 9) - 9)/(9+9)) + ((9+9+9) \times (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13829 &:= 1 + (1 + (1 + (1 + (1 + (((1+1) \times (1+11))^{1+1+1})))))) \\
&:= 2 + (((((22+2)^{2/2+2}) + 2/2) + 2) \\
&:= 3 + (((((3^3-3)^3) - 3/3) + 3) \\
&:= 4 + (((((4 \times 4 + 4) + 4)^{4-4/4}) + 4/4) \\
&:= 5 + (((5 \times 5) - 5/5)^{5-(5+5)/5}) \\
&:= 6 + (((6 \times (6 \times (6 \times (((6+6)/6)^6))) - 6/6) \\
&:= (77/7) + ((7+7) \times (((7+7) \times (77-7)) + 7)) \\
&:= 8 + (((8 \times (8 \times (8 \times (8+8) + 88))) - 88/8) + 8) \\
&:= (9 \times (9 \times ((9 \times (9+9) + 9))) - ((99+99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13830 &:= ((1+1) \times (1+1+1)) + (((1+1) \times (1+11))^{1+1+1}) \\
&:= 2 + (((22+2)^{2/2+2}) + 2) + 2) \\
&:= 3 + (((3^3-3)^3) + 3) \\
&:= 4 + (((4 \times 4 + 4) + 4)^{4-4/4}) + ((4+4)/4) \\
&:= 5 + (5 \times ((5 \times 555) - (5+5))) \\
&:= 6 + (6 \times (6 \times (6 \times (((6+6)/6)^6))) \\
&:= (7-7/7) \times (((7 \times 7) - 7/7)^{(7+7)/7}) + 7/7) \\
&:= 8 + ((8 \times (8 \times (8 \times (8+8) + 88))) - ((8+8)/8)) \\
&:= (9 \times (9 \times ((9 \times (9+9) + 9))) - (((99+99)/9) + 9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 13831 &:= (((1+1)^{1+1+1}) \times (1 + ((1+11)^{1+1+1}))) - 1 \\ &:= 2 + (((((22+2)^{2/2+2}) + 2/2) + 2) + 2) \\ &:= 3 + (((3^3 - 3)^3) + 3/3) + 3) \\ &:= 4 + (((((4 \times 4 + 4) + 4)^{4-4/4}) - 4/4) + 4) \\ &:= 5 + ((5 \times ((5 \times 555) - (5 + 5))) + 5/5) \\ &:= 6 + ((6 \times (6 \times (6 \times (((6+6)/6)^6)))) + 6/6) \\ &:= 7 + ((7 - 7/7) \times (((7 \times 7) - 7/7)^{(7+7)/7})) \\ &:= 8 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) - 8/8) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (99/9 + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13832 &:= ((1+1)^{1+1+1}) \times (1 + ((1+11)^{1+1+1})) \\ &:= (2 \times (2+2)) + ((22+2)^{2/2+2}) \\ &:= 3 \times 3 + (((3^3 - 3)^3) - 3/3) \\ &:= 4 + (((((4 \times 4 + 4) + 4)^{4-4/4}) + 4) \\ &:= 5 + ((5 \times ((5 \times 555) - (5 + 5))) + ((5 + 5)/5)) \\ &:= 6 + ((6 \times (6 \times (6 \times (((6+6)/6)^6)))) + ((6+6)/6)) \\ &:= 7 + (((7+7) \times (((7+7) \times (77-7) + 7)) + 7) \\ &:= 8 + (8 \times (8 \times (8 \times (8 + 8) + 88))) \\ &:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13833 &:= 11 + (((1+1) \times (1+11))^{1+1+1}) - (1+1) \\ &:= (22/2) + (((22+2)^{2/2+2}) - 2) \\ &:= 3 \times 3 + ((3^3 - 3)^3) \\ &:= ((4^4 - 44)/4) \times ((4/4 + 4^4) + 4) \\ &:= (5 \times 5^5) - (((5+5)/5)^5) \times (55 + 5/5) \\ &:= 6 + ((6 \times (6 \times (6 \times (((6+6)/6)^6)))) + (6 \times 6/(6+6))) \\ &:= 7 + (((7+7) \times (((7+7) \times (77-7) + 7)) + 7/7) + 7) \\ &:= 8 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) + 8/8) \\ &:= 9 + ((9 + 9 + 9) \times (((9+9)/9)^9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13834 &:= 11 + (((1+1) \times (1+11))^{1+1+1}) - 1 \\ &:= 2 + (((22+2)^{2/2+2}) + (2 \times (2+2))) \\ &:= 3 \times 3 + (((3^3 - 3)^3) + 3/3) \\ &:= ((44 - 4)/4) + (((4 \times 4 + 4) + 4)^{4-4/4}) \\ &:= 5 + (((5 \times 5) - 5/5)^{5-(5+5)/5}) + 5) \\ &:= ((66 - 6)/6) + (6 \times (6 \times (6 \times (((6+6)/6)^6)))) \\ &:= 7777 + ((77 \times 77) + (((7+7)/7)^7)) \\ &:= 8 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) + ((8+8)/8)) \\ &:= 9 + (((9+9+9) \times (((9+9)/9)^9)) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13835 &:= 11 + (((1+1) \times (1+11))^{1+1+1}) \\ &:= (22/2) + ((22+2)^{2/2+2}) \\ &:= (33/3) + ((3^3 - 3)^3) \\ &:= (44/4) + (((4 \times 4 + 4) + 4)^{4-4/4}) \\ &:= 5 + ((5 \times ((5 \times 555) - (5 + 5))) + 5) \\ &:= (66/6) + (6 \times (6 \times (6 \times (((6+6)/6)^6)))) \\ &:= (((77/7 + 7) \times (777 - (7/7 + 7))) - 7) \\ &:= 88/8 + (8 \times (8 \times (8 \times (8 + 8) + 88))) \\ &:= (99/9) + ((9 + 9 + 9) \times (((9+9)/9)^9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13836 &:= 1 + (11 + (((1+1) \times (1+11))^{1+1+1})) \\ &:= (2+2+2) \times (((2 \times (22+2))^2) + 2) \\ &:= 3 + (((3^3 - 3)^3) + 3 \times 3) \\ &:= 4 + (((((4 \times 4 + 4) + 4)^{4-4/4}) + 4) + 4) \\ &:= (55/5) + (5 \times ((5 \times 555) - (5 + 5))) \\ &:= 6 + ((6 \times (6 \times (6 \times (((6+6)/6)^6)))) + 6) \\ &:= 7 + (((7+7) \times (((7+7) \times (77-7) + 7)) + (77/7)) \\ &:= ((88 + 8)/8) + (8 \times (8 \times (8 \times (8 + 8) + 88))) \\ &:= ((99 + 9)/9) + ((9 + 9 + 9) \times (((9+9)/9)^9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13837 &:= 1 + (1 + (11 + (((1+1) \times (1+11))^{1+1+1}))) \\ &:= 2 + (((22+2)^{2/2+2}) + (22/2)) \\ &:= 3 + (((3^3 - 3)^3) + 3 \times 3) + 3/3) \\ &:= 4 + (((4^4 - 44)/4) \times ((4/4 + 4^4) + 4)) \\ &:= 55 + (((5+5)/5) + 5^5) - (55 \times 55) \\ &:= 6 + ((6 \times (6 \times (6 \times (((6+6)/6)^6)))) + 6/6) + 6) \\ &:= 7 \times 7 + ((77/7 + 7) \times (777 - (77/7))) \\ &:= ((88 + 8 + 8)/8) + (8 \times (8 \times (8 \times (8 + 8) + 88))) \\ &:= ((9 - 99)/(9 + 9)) + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13838 &:= 1 + (1 + (1 + (11 + (((1+1) \times (1+11))^{1+1+1})))) \\ &:= 2 + ((2+2+2) \times (((2 \times (22+2))^2) + 2)) \\ &:= 3 + (((3^3 - 3)^3) + (33/3)) \\ &:= (44/((4+4)/4)) \times (((4/4 + 4^4) + 4) \\ &:= ((55 + 55)/5) \times (((5^5 - 5)/5) + 5) \\ &:= (66/6) \times ((6 \times (6 \times 6 - 6)) - ((6+6)/6)) \\ &:= 7 + (((7 - 7/7) \times (((7 \times 7) - 7/7)^{(7+7)/7})) + 7) \\ &:= 8 + (((8 \times (8 \times (8 \times (8 + 8) + 88))) - ((8+8)/8)) + 8) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - ((99 + 9 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13839 &:= 1 + (1 + (1 + (1 + (11 + (((1+1) \times (1+11))^{1+1+1})))))) \\ &:= 2 + (((22+2)^{2/2+2}) + (22/2)) + 2) \\ &:= 3 + (((3^3 - 3)^3) + 3 \times 3) + 3) \\ &:= 4 + (((((4 \times 4 + 4) + 4)^{4-4/4}) + 44/4) \\ &:= (5 \times ((5 \times 555) - 5)) - (55/5) \\ &:= (6/6 + 6) \times ((66 \times (6 \times 6 - 6)) - (6 \times 6/(6+6))) \\ &:= 7 + (((7+7) \times (((7+7) \times (77-7) + 7)) + 7) + 7) \\ &:= 8 + (((8 \times (8 \times (8 \times (8 + 8) + 88))) - 8/8) + 8) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - ((99 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13840 &:= ((1+1)^{1+1+1}) \times (1 + (1 + ((1+11)^{1+1+1}))) \\ &:= (2^{2+2}) + ((22+2)^{2/2+2}) \\ &:= 3^3 + (((3^3 - 3)^3) - 33/3) \\ &:= 4 \times ((4 \times (4 \times ((4^4 - 44) + 4))) + 4) \\ &:= (5 \times ((5 \times 555) - 5)) - (5 + 5) \\ &:= 6 + ((6 \times (6 \times (6 \times (((6+6)/6)^6)))) + ((66 - 6)/6)) \\ &:= (((777/7) + 7)^{(7+7)/7}) - (77 + 7) \\ &:= 8 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) + 8) \\ &:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) - (99/9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13841 &:= 1 + (((1+1)^{1+1+1}) \times (1 + (1 + ((1+11)^{1+1+1})))) \\
&:= ((22/2)^{2+2}) - (2 \times ((22-2)^2)) \\
&:= 3 + (((3^3-3)^3) + (33/3) + 3) \\
&:= ((44/4)^4) + ((4 \times 4 + 4) \times (4-44)) \\
&:= 5/5 + ((5 \times (5 \times 555) - 5) - (5+5)) \\
&:= 6 + ((6 \times (6 \times (6 \times (((6+6)/6)^6)))) + (66/6)) \\
&:= (((7+7)/7)^7) + (((7+7) \times ((7+7) \times (77-7))) - 7) \\
&:= 8 + (((8 \times (8 \times (8 \times (8+8) + 88))) + 8/8) + 8) \\
&:= (9 \times (9 \times ((9 \times (9+9) + 9))) - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13846 &:= 11 + (11 + (((1+1) \times (1+11))^{1+1+1})) \\
&:= 22 + ((22+2)^{2/2+2}) \\
&:= 33 + (((3^3-3)^3) - 33/3) \\
&:= (44-4/4) \times (((4^4+4+4)/4) + 4^4) \\
&:= 5/5 + ((5 \times (5 \times 555) - 5) - 5) \\
&:= (6/6+6) \times ((66 \times (6 \times 6-6)) - ((6+6)/6)) \\
&:= 7 \times (((((7+7)/7)^{7/7}) - 77) + 7) \\
&:= ((8+8)/8) \times (((88+8) \times ((8 \times 8) + 8)) + (88/8)) \\
&:= ((9-99)/(9+9)) + (9 \times (9 \times ((9 \times (9+9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13842 &:= (111^{1+1}) + (((1+1+1) \times (1+1+11))^{1+1}) \\
&:= 2 + (((22+2)^{2/2+2}) + (2^{2+2})) \\
&:= (3 \times (3+3)) + ((3^3-3)^3) \\
&:= 4 + ((44/((4+4)/4)) \times (((4/4+4)^4) + 4)) \\
&:= ((5+5)/5) + ((5 \times (5 \times 555) - 5) - (5+5)) \\
&:= (66 \times (6 \times 6 \times 6-6)) - (6+6+6) \\
&:= (77/7+7) \times (777 - (7/7+7)) \\
&:= (8/8+8) \times ((8 \times 8 \times (8+8+8)) + ((8+8)/8)) \\
&:= (9 \times (9 \times ((9 \times (9+9) + 9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13847 &:= 1 + (11 + (11 + (((1+1) \times (1+11))^{1+1+1}))) \\
&:= 22 + (((22+2)^{2/2+2}) + 2/2) \\
&:= 3^3 + (((3^3-3)^3) - (3/3+3)) \\
&:= (((4-4/4)^4) \times ((4 \times 44) - (4/4+4))) - 4 \\
&:= ((5+5)/5) + ((5 \times (5 \times 555) - 5) - 5) \\
&:= (66 \times (6 \times 6 \times 6-6)) - (6/6+6+6) \\
&:= (((777/7) + 7)^{(7+7)/7}) - 77 \\
&:= ((8+8+8) \times ((8 \times (8 \times 8) + 8)) + 8/8) - 8/8 \\
&:= ((9 - (9 \times 9))/(9+9)) + (9 \times (9 \times ((9 \times (9+9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13843 &:= 11 + (((1+1)^{1+1+1}) \times (1 + ((1+11)^{1+1+1}))) \\
&:= 2 + (((22/2)^{2+2}) - (2 \times ((22-2)^2))) \\
&:= 3/3 + (((3^3-3)^3) + (3 \times (3+3))) \\
&:= 4 + (((((4 \times 4 + 4) + 4)^{4-4/4}) + 44/4) + 4) \\
&:= (5 \times 5 \times 555) - (((5+5)/5)^5) \\
&:= (66 \times (6 \times 6 \times 6-6)) - ((66/6) + 6) \\
&:= 7/7 + (((77/7+7) \times (777 - (7/7+7))) \\
&:= 8 + ((8 \times (8 \times (8 \times (8+8) + 88))) + (88/8)) \\
&:= 9/9 + ((9 \times (9 \times ((9 \times (9+9) + 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13848 &:= (1+1) \times ((1+11) \times (1 + (((1+1) \times (1+11))^{1+1+1}))) \\
&:= 2 + (((22+2)^{2/2+2}) + 22) \\
&:= 3^3 + (((3^3-3)^3) - 3) \\
&:= (4+4) \times ((4 \times 444) - (44+4/4)) \\
&:= (5 \times (5 \times 555) - 5) - ((5+5)/5) \\
&:= (66 \times (6 \times 6 \times 6-6)) - (6+6) \\
&:= (((7+7)/7)^7) + ((7+7) \times ((7+7) \times (77-7))) \\
&:= (8+8+8) \times ((8 \times ((8 \times 8) + 8)) + 8/8) \\
&:= (9 \times (9 \times ((9 \times (9+9) + 9))) - ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13844 &:= ((1+1) \times (11-1)) + (((1+1) \times (1+11))^{1+1+1}) \\
&:= 22 + (((22+2)^{2/2+2}) - 2) \\
&:= 3 \times 3 + (((3^3-3)^3) + (33/3)) \\
&:= 4 + (((((4 \times 4 + 4) + 4)^{4-4/4}) + 4 \times 4) \\
&:= (5 \times (5 \times 555) - 5) - (5/5+5) \\
&:= ((6-66)/6) + ((66 \times (6 \times 6 \times 6-6)) - 6) \\
&:= 7 + (((77/7+7) \times (777 - (77/7))) + (7 \times 7)) \\
&:= 8 + ((8 \times (8 \times (8 \times (8+8) + 88))) + ((88+8)/8)) \\
&:= ((9+9)/9) + ((9 \times (9 \times ((9 \times (9+9) + 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13849 &:= 1 + ((1+1) \times ((1+11) \times (1 + (((1+1) \times (1+11))^{1+1+1})))) \\
&:= 2 + (((22+2)^{2/2+2}) + 22) + 2/2) \\
&:= 3^3 + (((((3^3-3)^3) - 3) + 3/3) \\
&:= 4 + (((4^4+4)/4) \times ((4/4-44) + 4^4)) \\
&:= (5 \times (5 \times 555) - 5) - 5/5 \\
&:= (66 \times (6 \times 6 \times 6-6)) - (66/6) \\
&:= 7 + ((77/7+7) \times (777 - (7/7+7))) \\
&:= 8/8 + ((8+8+8) \times ((8 \times ((8 \times 8) + 8)) + 8/8)) \\
&:= (9 \times (9 \times ((9 \times (9+9) + 9))) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13845 &:= 11 + (11 + (((1+1) \times (1+11))^{1+1+1}) - 1)) \\
&:= 22 + (((22+2)^{2/2+2}) - 2/2) \\
&:= 3 + (((3^3-3)^3) + (3 \times (3+3))) \\
&:= ((4^4+4)/4) \times (((4/4-44) + 4^4) \\
&:= (5 \times (5 \times 555) - 5) - 5 \\
&:= (6/6-66) \times ((6 \times 6/(6+6)) - (6 \times 6 \times 6)) \\
&:= ((7/7+7) + 7) \times (((77 \times (77+7)) - 7)/7) \\
&:= ((88/8) - 8) \times (((8 \times (8 \times ((8 \times 8) + 8))) - 8/8) + 8) \\
&:= ((9+9+9)/9) + ((9 \times (9 \times ((9 \times (9+9) + 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13850 &:= (1+1) \times (1 + ((1+11) \times (1 + (((1+1) \times (1+11))^{1+1+1})))) \\
&:= 2 + (((22+2)^{2/2+2}) + 22) + 2) \\
&:= 3^3 + (((3^3-3)^3) - 3/3) \\
&:= (4/4+4) \times (((44 \times (4^4-4)) - (4+4))/4) \\
&:= 5 \times (5 \times 555) - 5 \\
&:= ((6-66)/6) + (66 \times (6 \times 6 \times 6-6)) \\
&:= ((7-77)/7) + ((77/7+7) \times (777-7)) \\
&:= 8 + ((8/8+8) \times ((8 \times 8 \times (8+8+8)) + ((8+8)/8))) \\
&:= (9 \times (9 \times ((9 \times (9+9) + 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13851 &:= (((1+1) \times (11-1)) - 1) \times ((11-1-1)^{1+1+1}) \\
&:= (22 - (2/2 + 2)) \times ((2/2 + 2)^{2+2+2}) \\
&:= 3^3 + ((3^3 - 3)^3) \\
&:= ((4 - 4/4)^4) \times ((4 \times 44) - (4/4 + 4)) \\
&:= 5/5 + (5 \times ((5 \times 555) - 5)) \\
&:= ((6/6 + 6 + 6) + 6) \times ((6 \times 6/(6+6))^6) \\
&:= (7 \times 77) + (((7+7)/7)^7) \times ((777/7) - 7)) \\
&:= (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) + 8/8) \\
&:= 9 \times (9 \times ((9 \times (9+9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13852 &:= 1 + (((1+1) \times (11-1)) - 1) \times ((11-1-1)^{1+1+1}) \\
&:= 2 + (((((22+2)^{2/2+2}) + 22) + 2) + 2) \\
&:= 3^3 + (((3^3 - 3)^3) + 3/3) \\
&:= ((4+4) \times ((4 \times 444) - 44)) - 4 \\
&:= ((5+5)/5) + (5 \times ((5 \times 555) - 5)) \\
&:= (66 \times (6 \times 6 \times 6 - 6)) - ((6+6)/6+6) \\
&:= ((77/7 + 7) \times (777 - 7)) - (7/7 + 7) \\
&:= 8/8 + (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) + 8/8) \\
&:= 9/9 + (9 \times (9 \times ((9 \times (9+9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13853 &:= ((1+111)^{1+1}) + (11 \times ((11^{1+1}) - (1+1))) \\
&:= 2 + ((22 - (2/2 + 2)) \times ((2/2 + 2)^{2+2+2})) \\
&:= 3 + (((3^3 - 3)^3) - 3/3) + 3^3 \\
&:= 4/4 + (((4+4) \times ((4 \times 444) - 44)) - 4) \\
&:= 5 + ((5 \times ((5 \times 555) - 5)) - ((5+5)/5)) \\
&:= (66 \times (6 \times 6 \times 6 - 6)) - (6/6 + 6) \\
&:= ((77/7 + 7) \times (777 - 7)) - 7 \\
&:= (8 \times (8 \times 8 \times 8)) + ((88/8) \times (888 - 8/8)) \\
&:= ((9+9)/9) + (9 \times (9 \times ((9 \times (9+9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13854 &:= 11111 + (((1+1+1+11)^{1+1+1}) - 1) \\
&:= 22 + (((22+2)^{2/2+2}) + (2 \times (2+2))) \\
&:= 3 + (((3^3 - 3)^3) + 3^3) \\
&:= ((4+4) \times ((4 \times 444) - 44)) - ((4+4)/4) \\
&:= 5 + ((5 \times ((5 \times 555) - 5)) - 5/5) \\
&:= (66 \times (6 \times 6 \times 6 - 6)) - 6 \\
&:= 7 + (((777/7) + 7)^{(7+7)/7}) - 77 \\
&:= 8 + ((8 \times (8 \times (8 \times (8+8) + 88))) + ((88+88)/8)) \\
&:= ((9+9+9)/9) + (9 \times (9 \times ((9 \times (9+9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13855 &:= 11111 + ((1+1+1+11)^{1+1+1}) \\
&:= 22 + (((22+2)^{2/2+2}) - 2) + (22/2) \\
&:= 3 + (((3^3 - 3)^3) + 3^3) + 3/3 \\
&:= (4/4 + 4) \times (((44 \times (4^4 - 4)) - 4)/4) \\
&:= 5 + (5 \times ((5 \times 555) - 5)) \\
&:= 6/6 + ((66 \times (6 \times 6 \times 6 - 6)) - 6) \\
&:= (7 \times (7 \times (7 \times 7 + 7))) + (77777/7) \\
&:= (8/8 + 8 + 8) \times ((888/8) + (8 \times 88)) \\
&:= (((9 \times 9) - 9)/(9+9)) + (9 \times (9 \times ((9 \times (9+9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13856 &:= 1 + (11111 + ((1+1+1+11)^{1+1+1})) \\
&:= (2^{2+2}) \times ((2 \times 2 \times 222) - 22) \\
&:= 33 + (((3^3 - 3)^3) - 3/3) \\
&:= (4+4) \times ((4 \times 444) - 44) \\
&:= 5 + ((5 \times ((5 \times 555) - 5)) + 5/5) \\
&:= ((6+6)/6) + ((66 \times (6 \times 6 \times 6 - 6)) - 6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 77)) - (77/7) \\
&:= 8 + ((8+8+8) \times ((8 \times ((8 \times 8) + 8)) + 8/8)) \\
&:= ((9 \times 9 + 9)/(9+9)) + (9 \times (9 \times ((9 \times (9+9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13857 &:= (11 \times (1+1+1)) + (((1+1) \times (1+11))^{1+1+1}) \\
&:= 22 + (((22+2)^{2/2+2}) + (22/2)) \\
&:= 33 + (((3^3 - 3)^3) \\
&:= 4/4 + ((4+4) \times ((4 \times 444) - 44)) \\
&:= 5 + ((5 \times ((5 \times 555) - 5)) + ((5+5)/5)) \\
&:= (66 \times (6 \times 6 \times 6 - 6)) - (6 \times 6/(6+6)) \\
&:= ((77/7)^{77/7-7}) - (777+7) \\
&:= 8 + (((8+8+8) \times ((8 \times ((8 \times 8) + 8)) + 8/8)) + 8/8) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9+9)) + 9))) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13858 &:= ((1+1+11)^{1+1}) \times (1 + ((11-1-1)^{1+1})) \\
&:= 2 + (((22+2)^{2/2+2}) + (2 \times (2^{2+2}))) \\
&:= 3/3 + (((3^3 - 3)^3) + 33) \\
&:= ((4+4)/4) + ((4+4) \times ((4 \times 444) - 44)) \\
&:= (5 \times 5 \times 555) - ((55+5)/5+5) \\
&:= (66 \times (6 \times 6 \times 6 - 6)) - ((6+6)/6) \\
&:= (777 \times (77/7 + 7)) - (((7+7)/7)^7) \\
&:= ((8+8)/8) \times ((8 \times (888 - 8)) - (888/8)) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9+9)) + 9))) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13859 &:= ((1 + (11^{1+1}))^{1+1}) - (1 + ((1+1)^{11-1})) \\
&:= 2 + (((22+2)^{2/2+2}) + (22/2)) + 22 \\
&:= 3 + (((3^3 - 3)^3) - 3/3) + 33 \\
&:= ((4^4 - 4) \times ((44/4) + 44)) - 4/4 \\
&:= (5 \times 5 \times 555) - (55/5 + 5) \\
&:= (66 \times (6 \times 6 \times 6 - 6)) - 6/6 \\
&:= ((77/7 + 7) \times (777 - 7)) - 7/7 \\
&:= 8 + (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) + 8/8) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9+9)) + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13860 &:= (1+11) \times (((1 + (11 \times (1+1+1)))^{1+1}) - 1) \\
&:= ((2+2+2)^2) + ((22+2)^{2/2+2}) \\
&:= 3 + (((3^3 - 3)^3) + 33) \\
&:= (4^4 - 4) \times ((44/4) + 44) \\
&:= 5 + ((5 \times ((5 \times 555) - 5)) + 5) \\
&:= 66 \times (6 \times 6 \times 6 - 6) \\
&:= (77/7 + 7) \times (777 - 7) \\
&:= (((88+8)/8) + 8) \times ((8 \times 88) - 88/8) \\
&:= 9 + (9 \times (9 \times ((9 \times (9+9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13861 &:= 1 + ((1 + 11) \times (((1 + (11 \times (1 + 1 + 1)))^{1+1}) - 1)) \\
&:= (22 + 2) \times (((22 + 2)^2) + 2) - (22/2) \\
&:= 3 + (((3^3 - 3)^3) + 33) + 3/3 \\
&:= 4/4 + ((4^4 - 4) \times ((44/4) + 44)) \\
&:= (55/5) + (5 \times ((5 \times 555) - 5)) \\
&:= 6/6 + (66 \times (6 \times 6 \times 6 - 6)) \\
&:= 7/7 + ((77/7 + 7) \times (777 - 7)) \\
&:= 8 \times 8 + (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) - 8/8) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13866 &:= 1 + (1 + ((11^{1+1+1}) + (((1 + 111)^{1+1}) - 11))) \\
&:= (2 \times 22) + (((22 + 2)^{2/2+2}) - 2) \\
&:= 3 \times 3 + (((3^3 - 3)^3) + 33) \\
&:= 4 + (((4^4 - 4) \times ((44/4) + 44)) + ((4 + 4)/4)) \\
&:= 5/5 + ((5 \times 5 \times 555) - (5 + 5)) \\
&:= 6 + (66 \times (6 \times 6 \times 6 - 6)) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 77)) - 7/7 \\
&:= ((8 + 8)/8) + (((8 + 8) \times (888 - (8 + 8))) - 88) \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13862 &:= 1 + (1 + ((1 + 11) \times (((1 + (11 \times (1 + 1 + 1)))^{1+1}) - 1))) \\
&:= 2 + (((22 + 2)^{2/2+2}) + ((2 + 2 + 2)^2)) \\
&:= 3^3 + (((3^3 - 3)^3) + (33/3)) \\
&:= ((4 + 4)/4) + ((4^4 - 4) \times ((44/4) + 44)) \\
&:= ((55 + 5)/5) + (5 \times ((5 \times 555) - 5)) \\
&:= ((6 + 6)/6) + (66 \times (6 \times 6 \times 6 - 6)) \\
&:= ((7 + 7)/7) + ((77/7 + 7) \times (777 - 7)) \\
&:= ((8 + 8) \times (888 - (8 + 8))) - (((8 + 8)/8) + 88) \\
&:= (99/9) + (9 \times (9 \times ((9 \times (9 + 9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13867 &:= 1111 + (((1 + (1 + 111))^{1+1}) - (1 + 1 + 11)) \\
&:= (2 \times 22) + (((22 + 2)^{2/2+2}) - 2/2) \\
&:= 3 \times 3 + (((3^3 - 3)^3) + 33) + 3/3 \\
&:= 44 + (((4 \times 4 + 4) + 4)^{4-4/4}) - 4/4 \\
&:= ((5 + 5)/5) + ((5 \times 5 \times 555) - (5 + 5)) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) + 6/6) \\
&:= 7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 77) \\
&:= 8 + (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) + 8/8) + 8 \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13863 &:= (11^{1+1+1}) + (((1 + 111)^{1+1}) - (1 + 11)) \\
&:= 2 + (((22 + 2) \times (((22 + 2)^2) + 2)) - (22/2)) \\
&:= 3 + (((3^3 - 3)^3) + 33) + 3 \\
&:= 4 + (((4^4 - 4) \times ((44/4) + 44)) - 4/4) \\
&:= (5 \times 5 \times 555) - ((55 + 5)/5) \\
&:= (6 \times 6 / (6 + 6)) + (66 \times (6 \times 6 \times 6 - 6)) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 77)) - (77/7)) \\
&:= ((8 + 8) \times (888 - (8 + 8))) - (8/8 + 88) \\
&:= ((99 + 9)/9) + (9 \times (9 \times ((9 \times (9 + 9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13868 &:= (1 + 1) \times ((1 + 1) \times (11 + ((1 + 1) \times ((1 + 11)^{1+1+1})))) \\
&:= (2 \times 22) + ((22 + 2)^{2/2+2}) \\
&:= 33 + (((3^3 - 3)^3) + (33/3)) \\
&:= 4 \times (((4 + 4)^4) - (((4/4 + 4)^4) + 4)) \\
&:= (5 \times 5 \times 555) - (((5 + 5)/5) + 5) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) + ((6 + 6)/6)) \\
&:= 7/7 + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 77)) \\
&:= 8 + (((88 + 8)/8) + 8) \times ((8 \times 88) - 88/8) \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13864 &:= (11^{1+1+1}) + (((1 + 111)^{1+1}) - 11) \\
&:= 2 \times ((22 \times 222) + (2^{22/2})) \\
&:= 3 + (((3^3 - 3)^3) + 33) + 3/3 + 3 \\
&:= 4 + ((4^4 - 4) \times ((44/4) + 44)) \\
&:= (5 \times 5 \times 555) - (55/5) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) - ((6 + 6)/6)) \\
&:= ((77/7)^{77/7-7}) - 777 \\
&:= ((8 + 8) \times (888 - (8 + 8))) - 88 \\
&:= ((99 + 9 + 9)/9) + (9 \times (9 \times ((9 \times (9 + 9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13869 &:= 1111 + (((1 + (1 + 111))^{1+1}) - 11) \\
&:= 2/2 + (((22 + 2)^{2/2+2}) + 2 \times 22) \\
&:= 3 + (((3^3 - 3)^3) + 3 \times 3) + 33 \\
&:= 4^4 + (((44/4)^4) - ((4 \times 4^4) + 4)) \\
&:= (5 \times 5 \times 555) - (5/5 + 5) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) + (6 \times 6 / (6 + 6))) \\
&:= ((7 + 7)/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 77)) \\
&:= (8 \times 8 \times 8) + (((88/8) + 8) \times ((8 \times 88) - 8/8)) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13865 &:= 1 + ((11^{1+1+1}) + (((1 + 111)^{1+1}) - 11)) \\
&:= 2/2 + (((22 + 2)^{2/2+2}) + (2 \times (22 - 2))) \\
&:= 3 + (((3^3 - 3)^3) + (33/3)) + 3^3 \\
&:= (4/4 + 4) \times (((44 \times (4^4 - 4)) + 4)/4) \\
&:= (5 \times 5 \times 555) - (5 + 5) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) - 6/6) \\
&:= ((7 \times 7) - ((7 + 7)/7)) \times ((7 \times ((7 \times 7) - 7)) + 7/7) \\
&:= 8/8 + (((8 + 8) \times (888 - (8 + 8))) - 88) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + ((9 \times 9 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13870 &:= ((1 + 11) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1}) - (1 + 1)) \\
&:= ((22 + 2) \times (((22 + 2)^2) + 2)) - 2 \\
&:= ((3 \times (3 + 3)) + 3/3) \times ((3^3+3) + 3/3) \\
&:= (4/4 + 4) \times (((44 \times (4^4 - 4)) + 4) + 4)/4 \\
&:= (5 \times 5 \times 555) - 5 \\
&:= ((66 - 6)/6) + (66 \times (6 \times 6 \times 6 - 6)) \\
&:= ((77 - 7)/7) + ((77/7 + 7) \times (777 - 7)) \\
&:= ((8/8 + (8 \times 8)) + 8) \times ((8 \times (8 + 8 + 8)) - ((8 + 8)/8)) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) + 9/9)
\end{aligned}$$

- ▶ **13871** := $((1 + 11) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1})) - 1$
:= $((22 + 2) \times (((22 + 2)^2) + 2)) - 2/2$
:= $3 + (((3^3 - 3)^3) + (33/3)) + 33$
:= $(44/4) + ((4^4 - 4) \times ((44/4) + 44))$
:= $5/5 + ((5 \times 5 \times 555) - 5)$
:= $(66/6) + (66 \times (6 \times 6 \times 6 - 6))$
:= $7 + (((77/7)^{77/7-7}) - 777)$
:= $8 + (((8 + 8) \times (888 - (8 + 8))) - (8/8 + 88))$
:= $9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + (99/9))$
- ▶ **13872** := $(1 + 11) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1})$
:= $(22 + 2) \times (((22 + 2)^2) + 2)$
:= $(3 \times 3^3) + (((3^3 - 3)^3) - 33)$
:= $4 + (((4 \times 4 + 4) + 4)^{4-4/4}) + 44$
:= $((5 + 5)/5) + ((5 \times 5 \times 555) - 5)$
:= $6 + ((66 \times (6 \times 6 \times 6 - 6)) + 6)$
:= $7 + (((7 \times 7) - ((7 + 7)/7)) \times ((7 \times (7 \times 7) - 7)) + 7/7)$
:= $8 + (((8 + 8) \times (888 - (8 + 8))) - 88)$
:= $9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + ((99 + 9)/9))$
- ▶ **13873** := $1 + ((1 + 11) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1}))$
:= $2/2 + ((22 + 2) \times (((22 + 2)^2) + 2))$
:= $3 + (((3 \times (3 + 3)) + 3/3) \times ((3^{3+3}) + 3/3))$
:= $4^4 + (((44/4)^4) - (4 \times 4^4))$
:= $(5 \times 5 \times 555) - ((5 + 5)/5)$
:= $6 + (((66 \times (6 \times 6 \times 6 - 6)) + 6/6) + 6)$
:= $7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 77)) - 7/7)$
:= $((88/8)^{8 \times 8/(8+8)}) - (8 \times (88 + 8))$
:= $((99 + 99)/9) + (9 \times (9 \times ((9 \times (9 + 9)) + 9)))$
- ▶ **13874** := $(11^{1+1+1}) + (((1 + 111)^{1+1}) - 1)$
:= $2 + ((22 + 2) \times (((22 + 2)^2) + 2))$
:= $3 + (((((3^3 - 3)^3) + (33/3)) + 33) + 3)$
:= $4/4 + (((44/4)^4) - (4 \times 4^4)) + 4^4$
:= $(5 \times 5 \times 555) - 5/5$
:= $6 + (((66 \times (6 \times 6 \times 6 - 6)) + ((6 + 6)/6)) + 6)$
:= $7 + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 77))$
:= $(8 - 8/8) \times ((8 \times (((8 + 8) \times (8 + 8)) - 8)) - ((8 + 8)/8))$
:= $(9 \times (9 \times ((9 \times (9 + 9)) + 9))) + (((99 + 99) + 9)/9)$
- ▶ **13875** := $111 \times (1 + (1 + (1 + (1 + (11^{1+1}))))))$
:= $(222/2) \times (((22/2)^2) + 2) + 2$
:= $3^3 + (((3^3 - 3)^3) - 3) + 3^3$
:= $(444/4) \times (((4 - 4/4)^4) + 44)$
:= $5 \times (5 \times 555)$
:= $(666/6) \times ((66 - (6/6 + 6)) + 66)$
:= $(777/7) \times (((777/7) + 7) + 7)$
:= $(888/8) \times (((8 \times (8 + 8)) - 88/8) + 8)$
:= $(999/9) \times (((99 - 9/9) + 9) + 9) + 9$
- ▶ **13876** := $1 + (111 \times (1 + (1 + (1 + (1 + (11^{1+1}))))))$
:= $2 + (((22 + 2) \times (((22 + 2)^2) + 2)) + 2)$
:= $3^3 + (((3^3 - 3)^3) - 3) + 3^3 + 3/3$
:= $4 \times 4 + ((4^4 - 4) \times ((44/4) + 44))$
:= $5/5 + (5 \times 5 \times 555)$
:= $6 + ((66 \times (6 \times 6 \times 6 - 6)) + ((66 - 6)/6))$
:= $7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 77)) + (7 + 7)/7)$
:= $(8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - ((88 + 8)/8)$
:= $9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - ((9 + 9)/9)) + 9) + 9$
- ▶ **13877** := $1 + (1 + (111 \times (1 + (1 + (1 + (1 + (11^{1+1}))))))$
:= $2 + ((222/2) \times (((22/2)^2) + 2) + 2)$
:= $3^3 + (((3^3 - 3)^3) - 3/3) + 3^3$
:= $4 + (((44/4)^4) - (4 \times 4^4)) + 4^4$
:= $((5 + 5)/5) + (5 \times 5 \times 555)$
:= $6 + ((66 \times (6 \times 6 \times 6 - 6)) + (66/6))$
:= $((77 - 7)/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 77))$
:= $(8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - (88/8)$
:= $9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - 9/9) + 9) + 9$
- ▶ **13878** := $1111 + (((1 + (1 + 111))^{1+1}) - (1 + 1))$
:= $2 + (((22 + 2) \times (((22 + 2)^2) + 2)) + 2) + 2$
:= $3^3 + (((3^3 - 3)^3) + 3^3)$
:= $(4/4 + 4^4) \times (((44 - 4)/4) + 44)$
:= $5 + ((5 \times 5 \times 555) - ((5 + 5)/5))$
:= $6 + (((66 \times (6 \times 6 \times 6 - 6)) + 6) + 6)$
:= $(77/7 + 7) \times ((777 - 7) + 7/7)$
:= $((88/8) + 8) \times ((8 \times 8 \times 8) + ((8 + 8)/8))$
:= $9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + 9) + 9)$
- ▶ **13879** := $1111 + (((1 + (1 + 111))^{1+1}) - 1)$
:= $2 + (((222/2) \times (((22/2)^2) + 2) + 2)) + 2$
:= $3^3 + (((3^3 - 3)^3) + 3^3) + 3/3$
:= $4 + ((444/4) \times (((4 - 4/4)^4) + 44))$
:= $5 + ((5 \times 5 \times 555) - 5/5)$
:= $6 + (((66 \times (6 \times 6 \times 6 - 6)) + 6/6) + 6) + 6$
:= $7/7 + ((77/7 + 7) \times ((777 - 7) + 7/7))$
:= $(8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - (8/8 + 8)$
:= $9 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) + 9/9))$
- ▶ **13880** := $1111 + ((1 + (1 + 111))^{1+1})$
:= $2 \times (2 \times (((2 + 2 + 2) \times (((22 + 2)^2) + 2)) + 2))$
:= $((3^3 - 3)^3) + ((333 + 3)/(3 + 3))$
:= $(4 \times (((4 + 4)^4) - ((4/4 + 4)^4))) - 4$
:= $5 + (5 \times 5 \times 555)$
:= $6 + (((66 \times (6 \times 6 \times 6 - 6)) + ((6 + 6)/6)) + 6) + 6$
:= $7 + (((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 77)) - 7/7) + 7)$
:= $(8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - 8$
:= $9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + (99/9)) + 9)$

$$\begin{aligned} \blacktriangleright 13881 &:= 1 + (1111 + ((1 + (1 + 111))^{1+1})) \\ &:= (22/2) + (((22 + 2) \times (((22 + 2)^2) + 2)) - 2) \\ &:= 3 + (((3^3 - 3)^3) + 3^3) + 3^3 \\ &:= 4 + (((((44/4)^4) - (4 \times 4^4)) + 4^4) + 4) \\ &:= 5 + ((5 \times 5 \times 555) + 5/5) \\ &:= 6 + ((666/6) \times ((66 - (6/6 + 6)) + 66)) \\ &:= 7 + ((7 \times ((7 \times (7 \times (7 \times 7) - 7))) - 77)) + 7) \\ &:= 8/8 + ((8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - 8) \\ &:= (999/9) + (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13882 &:= 1 + (1 + (1111 + ((1 + (1 + 111))^{1+1})) \\ &:= 22 \times (((((2/2 + 2 + 2)^{2+2}) + 2) + 2) + 2) \\ &:= ((3^3 - 3)^3) + (((3/3 + 3)^3) - (3 + 3)) \\ &:= 4 + ((4/4 + 4^4) \times (((44 - 4)/4) + 44)) \\ &:= 5 + ((5 \times 5 \times 555) + ((5 + 5)/5)) \\ &:= (((((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + 6/6)) - 6) \\ &:= 7 + ((777/7) \times (((777/7) + 7) + 7)) \\ &:= ((8 + 8)/8) + ((8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - 8) \\ &:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + ((99 + 99)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13883 &:= 11 + ((1 + 11) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1})) \\ &:= (22/2) + ((22 + 2) \times (((22 + 2)^2) + 2)) \\ &:= 3^3 + (((3^3 - 3)^3) - 3/3) + 33 \\ &:= (4 \times (((4 + 4)^4) - ((4/4 + 4)^4))) - 4/4 \\ &:= 5 + (((5 \times 5 \times 555) - ((5 + 5)/5)) + 5) \\ &:= 6 + (((66 \times (6 \times 6 \times 6 - 6)) + (66/6)) + 6) \\ &:= 77 + ((7/7 + 77) \times (((7 + 7)/7)^7) + (7 \times 7)) \\ &:= 8 + ((888/8) \times (((8 \times (8 + 8)) - 88/8) + 8)) \\ &:= (((99/9) + (9 \times 9)) \times ((9 \times (9 + 9)) - (99/9))) - 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13884 &:= (1 + 11) \times (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1})) \\ &:= (2 + 2 + 2) \times ((2 \times (2 \times (((22 + 2)^2) + 2))) + 2) \\ &:= 3^3 + (((3^3 - 3)^3) + 33) \\ &:= 4 \times (((4 + 4)^4) - ((4/4 + 4)^4)) \\ &:= 5 + (((5 \times 5 \times 555) - 5/5) + 5) \\ &:= 6 + (((66 \times (6 \times 6 \times 6 - 6)) + 6) + 6) + 6) \\ &:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7 - (7 + 7))) + (77/7)) \\ &:= (8/8 + 88) \times ((888/(8 - ((8 + 8)/8))) + 8) \\ &:= 9 + ((999/9) \times (((99 - 9/9) + 9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13885 &:= 1 + ((1 + 11) \times (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1}))) \\ &:= 2 + (((22 + 2) \times (((22 + 2)^2) + 2)) + (22/2)) \\ &:= ((3^3 - 3)^3) + (((3/3 + 3)^3) - 3) \\ &:= 4/4 + (4 \times (((4 + 4)^4) - ((4/4 + 4)^4))) \\ &:= 5 + ((5 \times 5 \times 555) + 5) \\ &:= 6 \times 6 + ((66 \times (6 \times 6 \times 6 - 6)) - (66/6)) \\ &:= 7 + ((77/7 + 7) \times (((777 - 7) + 7/7)) \\ &:= 8 + ((8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - 88/8) \\ &:= (((999 + 99)/9)^{(9+9)/9}) - 999 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13886 &:= 11 + (111 \times (1 + (1 + (1 + (1 + (11^{1+1})))))) \\ &:= ((222 + 2) \times ((2^{2+2+2}) - 2)) - 2 \\ &:= 3 + (((3^3 - 3)^3) - 3/3) + 33 + 3^3 \\ &:= ((4 + 4)/4) + (4 \times (((4 + 4)^4) - ((4/4 + 4)^4))) \\ &:= (55/5) + (5 \times 5 \times 555) \\ &:= 6 \times 6 + ((66 \times (6 \times 6 \times 6 - 6)) + ((6 - 66)/6)) \\ &:= (7 \times ((7 \times ((7 \times (7 \times 7) - 7)) - 7)) - 7) - (((7 + 7)/7)^7) \\ &:= (8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - ((8 + 8)/8) \\ &:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - 9/9) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13887 &:= ((1 + 111) \times (1 + (1 + (1 + (11^{1+1})))) - 1 \\ &:= ((222 + 2) \times ((2^{2+2+2}) - 2)) - 2/2 \\ &:= 3 + (((3^3 - 3)^3) + 33) + 3^3 \\ &:= 4 + ((4 \times (((4 + 4)^4) - ((4/4 + 4)^4))) - 4/4) \\ &:= ((55 + 5)/5) + (5 \times 5 \times 555) \\ &:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + 6/6) - 6/6 \\ &:= ((7 + 7)/7 + 7) \times (((7 + 7) \times 777) - 77/7) \\ &:= (8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - 8/8 \\ &:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + 9) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13888 &:= (1 + 111) \times (1 + (1 + (1 + (11^{1+1})))) \\ &:= (222 + 2) \times ((2^{2+2+2}) - 2) \\ &:= ((3^3 - 3)^3) + ((3/3 + 3)^3) \\ &:= 4 + (4 \times (((4 + 4)^4) - ((4/4 + 4)^4))) \\ &:= (55 + 5/5) \times (((5 - (5 + 5)/5)^5) + 5) \\ &:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + 6/6) \\ &:= (777 \times (77/7 + 7)) - (7 \times (7 + 7)) \\ &:= 8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8) \\ &:= 9 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) + 9/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13889 &:= 1 + ((1 + 111) \times (1 + (1 + (1 + (11^{1+1})))) \\ &:= 2/2 + ((222 + 2) \times ((2^{2+2+2}) - 2)) \\ &:= 3/3 + (((3^3 - 3)^3) + ((3/3 + 3)^3)) \\ &:= 4^4 + ((4 \times (4 - 4^4)) + ((44/4)^4)) \\ &:= (5 \times (5 \times 555 + 5)) - (55/5) \\ &:= (((6 \times 6) - 6/6) \times ((6 \times 66) + 6/6)) - 6 \\ &:= 7 + (((777/7) \times (((777/7) + 7) + 7)) + 7) \\ &:= 8/8 + (8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) \\ &:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 13890 &:= 1 + (1 + ((1 + 111) \times (1 + (1 + (1 + (11^{1+1})))))) \\ &:= 2 + ((222 + 2) \times ((2^{2+2+2}) - 2)) \\ &:= 33 + (((3^3 - 3)^3) + 33) \\ &:= 4 + ((4 \times (((4 + 4)^4) - ((4/4 + 4)^4))) + ((4 + 4)/4)) \\ &:= 5 + (((5 \times 5 \times 555) + 5) + 5) \\ &:= 6 \times 6 + ((66 \times (6 \times 6 \times 6 - 6)) - 6) \\ &:= (7 - 7/7) \times (((7 + 7 + 7)/7)^7) + (((7 + 7)/7)^7) \\ &:= ((8 + 8)/8) + (8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) \\ &:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9)) - 9) + (999/9)) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13891 &:= 11 + (1111 + ((1 + (1 + 111))^{1+1})) \\
&:= 2 + (((222 + 2) \times ((2^{2+2+2}) - 2)) + 2/2) \\
&:= 3 + (((3^3 - 3)^3) + ((3/3 + 3)^3)) \\
&:= 4 + (((4 \times ((4 + 4)^4) - ((4/4 + 4)^4))) - 4/4) + 4 \\
&:= 5 + ((5 \times 5 \times 555) + (55/5)) \\
&:= 6 \times 6 + (((66 \times (6 \times 6 \times 6 - 6)) - 6) + 6/6) \\
&:= ((77/7 + 7) \times (777 - 7/7)) - 77 \\
&:= 88/8 + ((8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - 8) \\
&:= (9 \times 999) + (((9 \times 9) - (99/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13892 &:= 1 + (11 + (1111 + ((1 + (1 + 111))^{1+1}))) \\
&:= 2 + (((222 + 2) \times ((2^{2+2+2}) - 2)) + 2) \\
&:= ((3^3 - 3)^3) + (((3 + 3)^3) - 3)/3 - 3 \\
&:= 4 + ((4 \times ((4 + 4)^4) - ((4/4 + 4)^4))) + 4 \\
&:= 5 + ((5 \times 5 \times 555) + ((55 + 5)/5)) \\
&:= 6 \times 6 + (((66 \times (6 \times 6 \times 6 - 6)) - 6) + ((6 + 6)/6)) \\
&:= 7 + (((77/7 + 7) \times ((777 - 7) + 7/7)) + 7) \\
&:= (8 \times 8/(8 + 8)) + (8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) \\
&:= ((99/9) + (9 \times 9)) \times ((9 \times (9 + 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13893 &:= 11 \times ((11 \times (1 + (1 + (1 + (1 + 111)))))) - (1 + 1) \\
&:= 22 + (((22 + 2) \times (((22 + 2)^2) + 2)) - 2/2) \\
&:= 3 + (((3^3 - 3)^3) + 33) + 33 \\
&:= ((44/4)^4) - ((4 \times 4 \times 44) + 44) \\
&:= (5 \times (5 \times 555 + 5)) - (((5 + 5)/5) + 5) \\
&:= (66 \times 6/(6 + 6)) + (66 \times (6 \times 6 \times 6 - 6)) \\
&:= 77/7 \times (((7 + 7) \times ((77 + 7) + 7)) - (77/7)) \\
&:= (88/8) \times (((8888/8) + 88) + (8 \times 8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 99)) - ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13894 &:= (111^{1+1}) + (11 \times (11 \times (1 + 1 + 11))) \\
&:= 22 + ((22 + 2) \times (((22 + 2)^2) + 2)) \\
&:= 3 + (((3^3 - 3)^3) + ((3/3 + 3)^3)) + 3 \\
&:= 4 \times 4 + ((4/4 + 4^4) \times (((44 - 4)/4) + 44)) \\
&:= (5 \times (5 \times 555 + 5)) - (5/5 + 5) \\
&:= 6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + 6/6) \\
&:= 77 + (((7 + 7) \times ((7 + 7) \times (77 - 7)) + 7)) - 7/7 \\
&:= 8 + ((8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - ((8 + 8)/8)) \\
&:= 9 \times 9 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13895 &:= 1 + ((111^{1+1}) + (11 \times (11 \times (1 + 1 + 11)))) \\
&:= 22 + (((22 + 2) \times (((22 + 2)^2) + 2)) + 2/2) \\
&:= ((3^3 - 3)^3) + (((3 + 3)^3) - 3)/3 \\
&:= (44/4) + (4 \times (((4 + 4)^4) - ((4/4 + 4)^4))) \\
&:= (5 \times (5 \times 555 + 5)) - 5 \\
&:= ((6 \times 6) - 6/6) \times ((6 \times 66) + 6/6) \\
&:= 77 + ((7 + 7) \times (((7 + 7) \times (77 - 7)) + 7)) \\
&:= 8 + ((8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) - 8/8) \\
&:= 99 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13896 &:= (1 + 11) \times (1 + (1 + ((1 + (11 \times (1 + 1 + 1)))^{1+1}))) \\
&:= (22 + 2) \times (((22 + 2)^2) + 2/2) + 2 \\
&:= ((3^3 - 3)^3) + (3 \times (3^3 - 3)) \\
&:= (44 \times (44 + 4^4) + 4 \times 4) - (4 + 4) \\
&:= 5/5 + ((5 \times (5 \times 555 + 5)) - 5) \\
&:= 6 \times ((66 \times ((6 \times 6) - 6/6)) + 6) \\
&:= (77/7 + 7) \times (((7 + 7)/7) - 7) + 777 \\
&:= 8 + (8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) \\
&:= 9 \times 9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13897 &:= 111 + ((1 + (1 + 111)) \times (1 + (11^{1+1}))) \\
&:= (((222/2) + 2) \times (((22/2)^2) + 2)) - 2 \\
&:= ((3^3 - 3)^3) + (((3 + 3)^3) + 3)/3 \\
&:= 4 + (((44/4)^4) - ((4 \times 4 \times 44) + 44)) \\
&:= ((5 + 5)/5) + ((5 \times (5 \times 555 + 5)) - 5) \\
&:= 6 \times 6 + ((66 \times (6 \times 6 \times 6 - 6)) + 6/6) \\
&:= ((7 - 7/7) + 7) \times (((7777/7) - (7 \times 7)) + 7) \\
&:= 8 + ((8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) + 8/8) \\
&:= (99 \times 99) + ((9 - 9/9) \times (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13898 &:= ((1 + (1 + 111)) \times (1 + (1 + (11^{1+1})))) - 1 \\
&:= 2 + ((22 + 2) \times (((22 + 2)^2) + 2/2) + 2) \\
&:= 3 + (((3 + 3)^3) - 3)/3 + ((3^3 - 3)^3) \\
&:= (44 \times (44 + 4^4) + 4 \times 4) - (((4 + 4)/4) + 4) \\
&:= (5 \times (5 \times 555 + 5)) - ((5 + 5)/5) \\
&:= 6 \times 6 + ((66 \times (6 \times 6 \times 6 - 6)) + ((6 + 6)/6)) \\
&:= 7 + (((77/7 + 7) \times (777 - 7/7)) - 77) \\
&:= 8 + ((8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) + ((8 + 8)/8)) \\
&:= 9 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13899 &:= (1 + (1 + 111)) \times (1 + (1 + (11^{1+1}))) \\
&:= ((222/2) + 2) \times (((22/2)^2) + 2) \\
&:= 3 + (((3^3 - 3)^3) + (3 \times (3^3 - 3))) \\
&:= (44 \times (44 + 4^4) + 4 \times 4) - (4/4 + 4) \\
&:= (5 \times (5 \times 555 + 5)) - 5/5 \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) + (66 \times 6/(6 + 6))) \\
&:= 777 + ((7 - 7/7) \times (((7 + 7 + 7)/7)^7)) \\
&:= 88/8 + (8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) \\
&:= (((9/9 + 9) + 9) \times (((9 + 9 + 9)/9) + (9 \times (9 \times 9)))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13900 &:= 1 + ((1 + (1 + 111)) \times (1 + (1 + (11^{1+1})))) \\
&:= 2 \times ((2 \times (2 \times (2222 - 22^2))) - 2) \\
&:= 3 + (((3 + 3)^3) + 3)/3 + ((3^3 - 3)^3) \\
&:= 4 \times (((4 + 4)^4) - ((4/4 + 4)^4)) + 4 \\
&:= 5 \times (5 \times 555 + 5) \\
&:= 6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + 6/6) + 6 \\
&:= ((77/7 + 7) + 7) \times (((7777 + 7)/7) + 7) \\
&:= (((88 + 8)/8) + 8) \times ((8 \times 88) - (8/8 + 8)) \\
&:= (9/9 + 99) \times (((999 + 9)/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13901 &:= 1 + (1 + ((1 + (1 + 111)) \times (1 + (1 + (11^{1+1})))))) \\
&:= 2 + (((222/2) + 2) \times (((22/2)^2) + 2)) \\
&:= (3 \times 3^3) + (((3^3 - 3)^3) - (3/3 + 3)) \\
&:= 4/4 + (4 \times (((4 + 4)^4) - ((4/4 + 4)^4)) + 4) \\
&:= 5/5 + (5 \times (5 \times 555 + 5)) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((6 \times 66) + 6/6)) \\
&:= 77 + ((7 - 7/7) \times (((7 \times 7) - 7/7)^{(7+7)/7})) \\
&:= 88 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) - 88/8) \\
&:= 9 + (((99/9) + (9 \times 9)) \times ((9 \times (9 + 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13902 &:= (((11^{1+1}) - (1 + 1 + 1))^{1+1}) - (11 + 11) \\
&:= (((2 \times (2 \times (22 + 2))) + 22)^2) - 22 \\
&:= (3 \times 3^3) + (((3^3 - 3)^3) - 3) \\
&:= (44 \times (44 + 4^4) + 4 \times 4) - ((4 + 4)/4) \\
&:= ((5 + 5)/5) + (5 \times (5 \times 555 + 5)) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) + (6 \times 6)) \\
&:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) - (77 + 7)) \\
&:= ((8 + 8)/8) \times ((8 \times (888 - 8)) - (8/8 + 88)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 99)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13903 &:= (11 \times ((11 \times (1 + (1 + (1 + (1 + 111)))))) - 1) - 1 \\
&:= (((((22/2)^2) - 2)^2) - ((2^{2 \times (2+2)} + 2)) \\
&:= 3/3 + (((3^3 - 3)^3) - 3) + (3 \times 3^3) \\
&:= (44 \times (44 + 4^4) + 4 \times 4) - 4/4 \\
&:= 5 + ((5 \times (5 \times 555 + 5)) - ((5 + 5)/5)) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 - 6)) + (6 \times 6)) + 6/6) \\
&:= (((777/7) + 7)^{(7+7)/7}) - (7 + 7 + 7) \\
&:= ((8 + 8) \times (888 - ((88/8) + 8))) - 8/8 \\
&:= 9 \times 9 + (((9 + 9 + 9) \times ((9 + 9)/9)^9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13904 &:= 11 \times ((11 \times (1 + (1 + (1 + (1 + 111)))))) - 1 \\
&:= 2 \times (2 \times (2 \times (2222 - 22^2))) \\
&:= (3 \times 3^3) + (((3^3 - 3)^3) - 3/3) \\
&:= 44 \times (44 + 4^4) + 4 \times 4 \\
&:= 5 + ((5 \times (5 \times 555 + 5)) - 5/5) \\
&:= ((6/6 - 66) \times (((6 + 6)/6) - (6 \times 6 \times 6))) - 6 \\
&:= (((7 + 7)/7) + 77) \times (((7 \times (7 + 7)) + 7/7) + 77) \\
&:= (8 + 8) \times (888 - ((88/8) + 8)) \\
&:= 9 \times 9 + (((9 + 9 + 9) \times ((9 + 9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13905 &:= (111^{1+1}) + (11 \times ((1 + 11)^{1+1})) \\
&:= (((((22/2)^2) - 2)^2) - (2^{2 \times (2+2)})) \\
&:= (3 \times 3^3) + ((3^3 - 3)^3) \\
&:= 4/4 + (44 \times (44 + 4^4) + 4 \times 4) \\
&:= 5 + (5 \times (5 \times 555 + 5)) \\
&:= 6 \times 6 \times 6 + (((666/6) + 6)^{(6+6)/6}) \\
&:= (((((7 + 7)/7)^7) + 7) \times (((777 - 7)/7) - 7)) \\
&:= 8/8 + ((8 + 8) \times (888 - ((88/8) + 8))) \\
&:= 9 \times 9 + ((9 + 9 + 9) \times ((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13906 &:= 1 + ((111^{1+1}) + (11 \times ((1 + 11)^{1+1}))) \\
&:= 2 + (2 \times (2 \times (2 \times (2222 - 22^2)))) \\
&:= 3/3 + (((3^3 - 3)^3) + (3 \times 3^3)) \\
&:= ((4 + 4)/4) + (44 \times (44 + 4^4) + 4 \times 4) \\
&:= 5 + ((5 \times (5 \times 555 + 5)) + 5/5) \\
&:= 6 + ((((((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + 6/6)) + 6) + 6) \\
&:= (((((7 + 7)/7)^{7+7}) - ((7 \times (7 \times 7 \times 7)) + 77)) \\
&:= ((8 + 8)/8) + ((8 + 8) \times (888 - ((88/8) + 8))) \\
&:= 9/9 + (((9 + 9 + 9) \times ((9 + 9)/9)^9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13907 &:= ((1 + (11^{1+1})) \times (1 + (1 + (1 + 111)))) - 1 \\
&:= 2 + ((((((22/2)^2) - 2)^2) - (2^{2 \times (2+2)})) \\
&:= 3 + (((3^3 - 3)^3) - 3/3) + (3 \times 3^3) \\
&:= 4 + ((44 \times (44 + 4^4) + 4 \times 4) - 4/4) \\
&:= (((5 + 5)/5)^5) + (5 \times 5 \times 555) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((6 \times 66) + 6/6)) + 6) \\
&:= (777 \times (77/7 + 7)) - (((7 + 7)/7) + 77) \\
&:= 8 + ((8 \times ((8 \times (8 \times (8 + 8) + 88)) + 8)) + (88/8)) \\
&:= 9 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13908 &:= (1 + (11^{1+1})) \times (1 + (1 + (1 + 111))) \\
&:= 2 \times ((2 \times (2 \times (2222 - 22^2))) + 2) \\
&:= 3 + (((3^3 - 3)^3) + (3 \times 3^3)) \\
&:= 4 + (44 \times (44 + 4^4) + 4 \times 4) \\
&:= 5 + (((5 \times (5 \times 555 + 5)) - ((5 + 5)/5)) + 5) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 - 6)) + (6 \times 6)) + 6) \\
&:= (777 \times (77/7 + 7)) - (7/7 + 77) \\
&:= (((888 - 8)/8) + 8)^{(8+8)/8} - (8 + 8) \\
&:= ((9/9 + 9) + 9) \times (((9 + 9 + 9)/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13909 &:= 1 + ((1 + (11^{1+1})) \times (1 + (1 + (1 + 111)))) \\
&:= 222 + (((((22/2)^2) - (2 + 2)^2) - 2) \\
&:= 3 + (((3^3 - 3)^3) + (3 \times 3^3)) + 3/3) \\
&:= 4 + ((44 \times (44 + 4^4) + 4 \times 4) + 4/4) \\
&:= 5 + (((5 \times (5 \times 555 + 5)) - 5/5) + 5) \\
&:= (6/6 + 6) \times (((66 \times (6 \times 6 - 6)) + 6/6) + 6) \\
&:= (777 \times (77/7 + 7)) - 77 \\
&:= (((8 \times 88) - 8) \times (((88 + 8)/8) + 8)) - (88/8) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times 999) - 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13910 &:= 1 + (1 + ((1 + (11^{1+1})) \times (1 + (1 + (1 + 111)))))) \\
&:= 22 + ((222 + 2) \times ((2^{2+2+2} - 2)) \\
&:= 3 + ((((((3^3 - 3)^3) - 3/3) + (3 \times 3^3)) + 3) \\
&:= ((4^4 + 4)/4) \times (((4 + 4)/4) - 44) + 4^4) \\
&:= 5 + ((5 \times (5 \times 555 + 5)) + 5) \\
&:= (6/6 - 66) \times (((6 + 6)/6) - (6 \times 6 \times 6)) \\
&:= (((777/7) + 7)^{(7+7)/7}) - (7 + 7) \\
&:= 88 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) - ((8 + 8)/8)) \\
&:= ((99 - 9/9) + 9) \times (((999 + 9)/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13911 &:= (((11^{1+1}) - (1 + 1 + 1))^{1+1}) - (1 + 1 + 11) \\
&:= 222 + (((22/2)^2) - (2 + 2))^2 \\
&:= 3 + (((3^3 - 3)^3) + (3 \times 3^3)) + 3 \\
&:= (((44/4) + 44) \times ((4/4 - 4) + 4^4)) - 4 \\
&:= (55/5) + (5 \times (5 \times 555 + 5)) \\
&:= 6 + (((666/6) + 6)^{(6+6)/6}) + 6 \times 6 \times 6 \\
&:= 7/7 + (((777/7) + 7)^{(7+7)/7}) - (7 + 7) \\
&:= 88 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) - 8/8) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) + 99)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13912 &:= (((11^{1+1}) - (1 + 1 + 1))^{1+1}) - 11 - 1 \\
&:= (2 \times 2 \times 22) + ((22 + 2)^{2/2+2}) \\
&:= ((33/3)^{3/3+3}) - (3^{3+3}) \\
&:= 4 + ((44 \times (44 + 4^4) + 4 \times 4) + 4) \\
&:= 5 + ((5 \times 5 \times 555) + (((5 + 5)/5)^5)) \\
&:= (((666 + 6)/6) + 6)^{(6+6)/6} - (6 + 6) \\
&:= 7 + (((7 + 7)/7)^7) + 7 \times (((777 - 7)/7) - 7) \\
&:= 88 + (8 \times (8 \times (8 \times (8 + 8) + 88))) \\
&:= (9 \times ((9 \times (9 \times (9 + 9)) + 9) + 9)) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13913 &:= (((11^{1+1}) - (1 + 1 + 1))^{1+1}) - 11 \\
&:= 2 + (((22/2)^2) - (2 + 2))^2 + 222 \\
&:= ((3^3 - 3)^3) + ((3 \times (3^3 + 3)) - 3/3) \\
&:= ((44/4)^4) - (((4 \times ((4 \times 44) + 4) + 4) + 4) \\
&:= ((55 + 5 + 5)/5) + (5 \times (5 \times 555 + 5)) \\
&:= 6 + (((6 \times 6) - 6/6) \times ((6 \times 66) + 6/6)) + 6 + 6 \\
&:= (((777/7) + 7)^{(7+7)/7}) - (77/7) \\
&:= 8/8 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) + 88) \\
&:= 9 \times 9 + ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13914 &:= 1 + (((11^{1+1}) - (1 + 1 + 1))^{1+1}) - 11 \\
&:= 2 + (((22 + 2)^{2/2+2}) + (2 \times 2 \times 22)) \\
&:= ((3^3 - 3)^3) + (3 \times (3^3 + 3)) \\
&:= 4 + (((4^4 + 4)/4) \times (((4 + 4)/4) - 44) + 4^4) \\
&:= (5 \times ((5 \times 555 + 5) + 5)) - (55/5) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 - 6)) - (6 + 6)) \\
&:= (77/7 + 7) \times ((777 - (77/7)) + 7) \\
&:= 88 + ((8 \times (8 \times (8 \times (8 + 8) + 88))) + ((8 + 8)/8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9)) + 9) + 9)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13915 &:= 11 \times (11 \times (1 + (1 + (1 + (1 + 111)))))) \\
&:= ((22/2)^2) \times (((222/2) + 2) + 2) \\
&:= 3 + (((33/3)^{3/3+3}) - (3^{3+3})) \\
&:= ((44/4) + 44) \times ((4/4 - 4) + 4^4) \\
&:= 5 + (((5 \times (5 \times 555 + 5)) + 5) + 5) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 - 6)) - (66/6)) \\
&:= (7 \times (((7 \times (7 \times ((7 \times 7) - 7))) - 77) + 7)) - 7/7 \\
&:= 8 \times 8 + (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) + 8/8) \\
&:= (((9/9 + 99) + 9) + 9)^{(9+9)/9} - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13916 &:= 1 + (11 \times (11 \times (1 + (1 + (1 + (1 + 111)))))) \\
&:= (((2 + 2 + 2) \times (22 - 2))^2) - 22^2 \\
&:= (3 \times 3^3) + (((3^3 - 3)^3) + (33/3)) \\
&:= ((44 - 4) \times (((4 + 4) \times 44) - 4)) - 4 \\
&:= 5 + ((5 \times (5 \times 555 + 5)) + (55/5)) \\
&:= 6 + ((6/6 - 66) \times (((6 + 6)/6) - (6 \times 6 \times 6))) \\
&:= 7 \times (((7 \times (7 \times ((7 \times 7) - 7))) - 77) + 7) \\
&:= (((888 - 8)/8) + 8)^{(8+8)/8} - 8 \\
&:= (99 - 9/9) \times ((9 \times (9 + 9)) - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13917 &:= 1 + (1 + (11 \times (11 \times (1 + (1 + (1 + (1 + 111)))))) \\
&:= 2 + (((22/2)^2) \times (((222/2) + 2) + 2)) \\
&:= 3 + (((3^3 - 3)^3) + (3 \times (3^3 + 3))) \\
&:= ((44/4)^4) - ((4 \times ((4 \times 44) + 4) + 4) \\
&:= 5 + (((5 \times 5 \times 555) + (((5 + 5)/5)^5)) + 5) \\
&:= 66 + (((6/6 + 6 + 6) + 6) \times ((6 \times 6/(6 + 6))^6)) \\
&:= (((777/7) + 7)^{(7+7)/7}) - 7 \\
&:= 8/8 + (((888 - 8)/8) + 8)^{(8+8)/8} - 8 \\
&:= 9 + ((9/9 + 9) + 9) \times (((9 + 9 + 9)/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13918 &:= ((1 + 1)^{11}) + (((111 - (1 + 1))^{1+1}) - 11) \\
&:= ((22 + 2) \times (((22 + 2)^2) + 2) + 2) - 2 \\
&:= 3 + (((33/3)^{3/3+3}) - (3^{3+3})) + 3 \\
&:= ((44 - 4) \times (((4 + 4) \times 44) - 4)) - ((4 + 4)/4) \\
&:= 55 + ((5 \times 5 \times 555) - ((55 + 5)/5)) \\
&:= (((666 + 6)/6) + 6)^{(6+6)/6} - 6 \\
&:= 7/7 + (((777/7) + 7)^{(7+7)/7}) - 7 \\
&:= ((8 + 8)/8) \times (((88 - 8) \times (88 - 8/8)) - 8/8) \\
&:= 9 + ((9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13919 &:= 11 + ((1 + (11^{1+1})) \times (1 + (1 + (1 + 111)))) \\
&:= (((22/2)^2) - 2)^2 - (22^2/2) \\
&:= (3 \times 33) + (((3^3 - 3)^3) - (3/3 + 3)) \\
&:= ((44 - 4) \times (((4 + 4) \times 44) - 4)) - 4/4 \\
&:= 55 + ((5 \times 5 \times 555) - (55/5)) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 - 6)) - (6/6 + 6)) \\
&:= ((77/7 + 7) \times (777 - 7/7)) - (7 \times 7) \\
&:= (((8 \times 88) - 8) \times (((88 + 8)/8) + 8)) - 8/8 \\
&:= (9 \times ((9 \times (9 \times (9 + 9)) + 9) + 9)) - ((99 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13920 &:= ((11^{1+1}) - 1) \times (1 + (1 + (1 + (1 + 111)))) \\
&:= (22 + 2) \times (((22 + 2)^2) + 2) + 2 \\
&:= (3 \times 33) + (((3^3 - 3)^3) - 3) \\
&:= (44 - 4) \times (((4 + 4) \times 44) - 4) \\
&:= (5 \times ((5 \times 555 + 5) + 5)) - 5 \\
&:= 66 + ((66 \times (6 \times 6 \times 6 - 6)) - 6) \\
&:= ((77 + 7)/7) \times (((777/7) + (7 \times 7))) \\
&:= ((8 \times 88) - 8) \times (((88 + 8)/8) + 8) \\
&:= ((9 \times 9) - 9/9) \times (((99 + 9)/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13921 &:= (((11^{1+1}) - (1 + 1 + 1))^{1+1}) - (1 + 1 + 1) \\
&:= ((2 \times (22 - 2))^2) + ((222/2)^2) \\
&:= 3/3 + (((3^3 - 3)^3) - 3) + (3 \times 33) \\
&:= ((44/4)^4) - (4 \times ((4 \times 44) + 4)) \\
&:= 5/5 + ((5 \times (5 \times 555 + 5) + 5) - 5) \\
&:= 66 + (((66 \times (6 \times 6 \times 6 - 6)) - 6) + 6/6) \\
&:= 7 + ((77/7 + 7) \times ((777 - (77/7)) + 7)) \\
&:= 8/8 + (((8 \times 88) - 8) \times (((88 + 8)/8) + 8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9)) + 9) + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13922 &:= (((11^{1+1}) - (1 + 1 + 1))^{1+1}) - (1 + 1) \\
&:= (((2 \times (2 \times (22 + 2))) + 22)^2) - 2 \\
&:= (3 \times 33) + (((3^3 - 3)^3) - 3/3) \\
&:= 4/4 + (((44/4)^4) - (4 \times ((4 \times 44) + 4))) \\
&:= ((5 + 5)/5) + ((5 \times (5 \times 555 + 5) + 5) - 5) \\
&:= 6 + (((6/6 - 66) \times (((6 + 6)/6) - (6 \times 6 \times 6))) + 6) \\
&:= (((777/7) + 7)^{(7+7)/7}) - ((7 + 7)/7) \\
&:= ((8 + 8)/8) + (((8 \times 88) - 8) \times (((88 + 8)/8) + 8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9)) + 9) + 9)) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13923 &:= (((11^{1+1}) - (1 + 1 + 1))^{1+1}) - 1 \\
&:= (((2 \times (2 \times (22 + 2))) + 22)^2) - 2/2 \\
&:= (3 \times 33) + ((3^3 - 3)^3) \\
&:= 4 + (((44 - 4) \times (((4 + 4) \times 44) - 4)) - 4/4) \\
&:= (5 \times ((5 \times 555 + 5) + 5)) - ((5 + 5)/5) \\
&:= (6 \times (6 \times (6 \times 66))) - (666/((6 + 6)/6)) \\
&:= ((7 - 7/7) + 7) \times ((77 \times (7 + 7)) - 7) \\
&:= (8/8 + 8) \times ((8 \times 8 \times (8 + 8 + 8)) + (88/8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9)) + 9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13924 &:= ((11^{1+1}) - (1 + 1 + 1))^{1+1} \\
&:= ((2 \times (2 \times (22 + 2))) + 22)^2 \\
&:= 3/3 + (((3^3 - 3)^3) + (3 \times 33)) \\
&:= 4 + ((44 - 4) \times (((4 + 4) \times 44) - 4)) \\
&:= (5 \times ((5 \times 555 + 5) + 5)) - 5/5 \\
&:= (((666 + 6)/6) + 6)^{(6+6)/6} \\
&:= ((777/7) + 7)^{(7+7)/7} \\
&:= (((888 - 8)/8) + 8)^{(8+8)/8} \\
&:= (((9/9 + 99) + 9) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13925 &:= 1 + (((11^{1+1}) - (1 + 1 + 1))^{1+1}) \\
&:= 2/2 + (((2 \times (2 \times (22 + 2))) + 22)^2) \\
&:= 3 + (((3^3 - 3)^3) - 3/3) + (3 \times 33) \\
&:= 4 + (((44/4)^4) - (4 \times ((4 \times 44) + 4))) \\
&:= 5 \times ((5 \times 555 + 5) + 5) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 - 6)) - 6/6) \\
&:= 7/7 + (((777/7) + 7)^{(7+7)/7}) \\
&:= 8/8 + (((888 - 8)/8) + 8)^{(8+8)/8} \\
&:= 9/9 + (((9/9 + 99) + 9) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13926 &:= 1 + (1 + (((11^{1+1}) - (1 + 1 + 1))^{1+1})) \\
&:= 2 + (((2 \times (2 \times (22 + 2))) + 22)^2) \\
&:= 3 + (((3^3 - 3)^3) + (3 \times 33)) \\
&:= ((44/4)^4) - ((4 \times 4 \times 44) + 44/4) \\
&:= 5/5 + (5 \times ((5 \times 555 + 5) + 5)) \\
&:= 66 + (66 \times (6 \times 6 \times 6 - 6)) \\
&:= ((7 + 7)/7) + (((777/7) + 7)^{(7+7)/7}) \\
&:= ((8 + 8)/8) + (((888 - 8)/8) + 8)^{(8+8)/8} \\
&:= ((9 + 9)/9) + (((9/9 + 99) + 9) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13927 &:= 1 + (1 + (1 + (((11^{1+1}) - (1 + 1 + 1))^{1+1}))) \\
&:= 2 + (((2 \times (2 \times (22 + 2))) + 22)^2) + 2/2 \\
&:= 3 + (((3^3 - 3)^3) + (3 \times 33)) + 3/3 \\
&:= (4 \times (4 \times 4 \times 44)) + (44444/4) \\
&:= ((5 + 5)/5) + (5 \times ((5 \times 555 + 5) + 5)) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 - 6)) + 6/6) \\
&:= (((7 + 7)/7)^{7+7}) - ((7 \times (7 \times 7 \times 7 + 7)) + 7) \\
&:= 8 + (((8 \times 88) - 8) \times (((88 + 8)/8) + 8)) - 8/8 \\
&:= ((9/9 + 9) + 9) \times (((9 \times 9) - 9)/(9 + 9)) + (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13928 &:= ((1 + 1)^{11}) + (((111 - (1 + 1))^{1+1}) - 1) \\
&:= 2 + (((2 \times (2 \times (22 + 2))) + 22)^2) + 2 \\
&:= 3 + (((3^3 - 3)^3) - 3/3) + (3 \times 33) + 3 \\
&:= (((4 - 4/4)^4) \times ((4 \times 44) - 4)) - 4 \\
&:= 55 + ((5 \times 5 \times 555) - ((5 + 5)/5)) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 - 6)) + ((6 + 6)/6)) \\
&:= (77/7) + (((777/7) + 7)^{(7+7)/7}) - 7 \\
&:= 8 + (((8 \times 88) - 8) \times (((88 + 8)/8) + 8)) \\
&:= ((9 - (9 \times 9))/(9 + 9)) + (9 \times ((9 \times (9 \times (9 + 9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13929 &:= ((1 + 1)^{11}) + (((111 - (1 + 1))^{1+1}) \\
&:= (2^{22/2}) + ((222/2 - 2)^2) \\
&:= 3 + (((3^3 - 3)^3) + (3 \times 33)) + 3 \\
&:= ((44/4)^4) - (((4 \times 4 \times 44) + 4) + 4) \\
&:= 55 + ((5 \times 5 \times 555) - 5/5) \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - (666/6) \\
&:= 7 + (((777/7) + 7)^{(7+7)/7}) - ((7 + 7)/7) \\
&:= ((88/8)^{8 \times 8/(8+8)}) - ((8 \times 88) + 8) \\
&:= (9 \times ((9 \times (9 \times (9 + 9)) + 9) + 9)) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13930 &:= 1 + (((1 + 1)^{11}) + (((111 - (1 + 1))^{1+1})) \\
&:= 2 + (((2 \times (2 \times (22 + 2))) + 22)^2) + 2 + 2 \\
&:= 3 + (((3^3 - 3)^3) + (3 \times 33)) + 3/3 + 3 \\
&:= (((4 - 4/4)^4) \times ((4 \times 44) - 4)) - ((4 + 4)/4) \\
&:= 55 + (5 \times 5 \times 555) \\
&:= 6 + (((666 + 6)/6) + 6)^{(6+6)/6} \\
&:= 7 + (((7 - 7/7) + 7) \times ((77 \times (7 + 7)) - 7)) \\
&:= ((8 + 8)/8) \times ((8 \times (888 - (8 + 8))) - 88/8) \\
&:= (9 \times ((9 \times (9 \times (9 + 9)) + 9) + 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13931 &:= 1 + (1 + (((1+1)^{11}) + ((111 - (1+1))^{1+1}))) \\
&:= 2 + (((222/2 - 2)^2) + (2^{22/2})) \\
&:= ((3^3 - 3)^3) + ((3 \times (33 + 3)) - 3/3) \\
&:= (((4 - 4/4)^4) \times ((4 \times 44) - 4)) - 4/4 \\
&:= 55 + ((5 \times 5 \times 555) + 5/5) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 - 6)) - 6/6) + 66) \\
&:= 7 + (((777/7) + 7)^{(7+7)/7}) \\
&:= 8 + ((8/8 + 8) \times ((8 \times 8 \times (8 + 8 + 8)) + (88/8))) \\
&:= (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13932 &:= 1 + (1 + (1 + ((1+1)^{11}) + ((111 - (1+1))^{1+1}))) \\
&:= ((2 \times 22) - 2/2) \times (((2^{2+2}) + 2)^2) \\
&:= ((3^3 - 3)^3) + (3 \times (33 + 3)) \\
&:= (((4 - 4/4)^4) \times ((4 \times 44) - 4)) \\
&:= 55 + ((5 \times 5 \times 555) + ((5 + 5)/5)) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) + 66) \\
&:= 7 + (((777/7) + 7)^{(7+7)/7}) + 7/7 \\
&:= 8 + (((888 - 8)/8) + 8)^{(8+8)/8} \\
&:= 9 \times ((9 \times ((9 \times (9 + 9)) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13933 &:= 11 + (((11^{1+1}) - (1 + 1 + 1))^{1+1}) - (1 + 1) \\
&:= (222/2) + (((22 + 2)^{2/2+2}) - 2) \\
&:= 3/3 + (((3^3 - 3)^3) + (3 \times (33 + 3))) \\
&:= (((44/4)^4) - ((4 \times 4 \times 44) + 4)) \\
&:= 5 + (((5 \times 5 \times 555) - ((5 + 5)/5)) + 55) \\
&:= ((6 - 6/6)^6) - (6 \times (6 \times 6 \times 6 + 66)) \\
&:= 7 + (((777/7) + 7)^{(7+7)/7}) + (7 + 7)/7 \\
&:= ((8 + 8) \times (888 - (8 + 8))) - ((88/8) + 8) \\
&:= 9/9 + (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13934 &:= 11 + (((11^{1+1}) - (1 + 1 + 1))^{1+1}) - 1) \\
&:= 2 + (((2 \times 22) - 2/2) \times (((2^{2+2}) + 2)^2)) \\
&:= ((3^3 - 3)^3) + ((333 - 3)/3) \\
&:= 4/4 + (((44/4)^4) - ((4 \times 4 \times 44) + 4)) \\
&:= 5 + (((5 \times 5 \times 555) - 5/5) + 55) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 - 6)) + ((6 + 6)/6)) + 66) \\
&:= (((7 + 7)/7)^{7+7}) - (7 \times (7 \times 7 \times 7 + 7)) \\
&:= ((8 + 8)/8) \times ((8 \times (888 - (8 + 8))) - (8/8 + 8)) \\
&:= ((9 + 9)/9) + (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13935 &:= 11 + (((11^{1+1}) - (1 + 1 + 1))^{1+1}) \\
&:= (222/2) + ((22 + 2)^{2/2+2}) \\
&:= ((3^3 - 3)^3) + (333/3) \\
&:= 4 + (((4 - 4/4)^4) \times ((4 \times 44) - 4)) - 4/4 \\
&:= 5 + ((5 \times 5 \times 555) + 55) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) - (666/6)) \\
&:= (77/7) + (((777/7) + 7)^{(7+7)/7}) \\
&:= (888/8) + (8 \times (8 \times (8 \times (8 + 8) + 88))) \\
&:= (999/9) + ((9 + 9 + 9) \times (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13936 &:= 1 + (11 + (((11^{1+1}) - (1 + 1 + 1))^{1+1})) \\
&:= 2 \times (2 \times (2 \times (((2 \times 22 - 2)^2) - 22))) \\
&:= ((3^3 - 3)^3) + ((333 + 3)/3) \\
&:= 4 + (((4 - 4/4)^4) \times ((4 \times 44) - 4)) \\
&:= 5 + (((5 \times 5 \times 555) + 55) + 5/5) \\
&:= 6 + (((666 + 6)/6) + 6)^{(6+6)/6} + 6) \\
&:= ((7 - 7/7) + 7) \times (((77 \times (7 + 7)) - 7) + 7/7) \\
&:= (8 + 8) \times (888 - (8/8 + 8 + 8)) \\
&:= ((999 + 9)/9) + ((9 + 9 + 9) \times (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13937 &:= 1 + (1 + (11 + (((11^{1+1}) - (1 + 1 + 1))^{1+1}))) \\
&:= (((22/2)^2) - 2)^2 - (222 + 2) \\
&:= 3 + (((333 - 3)/3) + ((3^3 - 3)^3)) \\
&:= (((44/4)^4) - (4 \times 4 \times 44)) \\
&:= 5 + (((5 \times 5 \times 555) + ((5 + 5)/5)) + 55) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 - 6)) + (66/6)) \\
&:= 77 \times (((777/7) - 7) + 77) \\
&:= ((88/8)^{8 \times 8/(8+8)}) - (8 \times 88) \\
&:= ((9 \times 9 + 9)/(9 + 9)) + (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13938 &:= ((1 + 11)^{1+1+1}) + (11 \times (1111 - 1)) \\
&:= 2 + (2 \times (2 \times (2 \times (((2 \times 22 - 2)^2) - 22)))) \\
&:= 3 + (((3^3 - 3)^3) + (333/3)) \\
&:= 4/4 + (((44/4)^4) - (4 \times 4 \times 44)) \\
&:= (5 - (5 + 5)/5) \times (((5/5 + 5)^5) - (5^5 + 5)) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - 66 \\
&:= 7 + (((777/7) + 7)^{(7+7)/7}) + 7) \\
&:= 8/8 + (((88/8)^{8 \times 8/(8+8)}) - (8 \times 88)) \\
&:= 9 + ((9 \times ((9 \times ((9 \times (9 + 9)) + 9)) + 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13939 &:= (((11^{1+1}) - (1 + 1))^{1+1}) - ((1 + 1) \times 111) \\
&:= (((22/2)^2) - 2)^2 - 222 \\
&:= 3 + (((333 + 3)/3) + ((3^3 - 3)^3)) \\
&:= ((4 + 4)/4) + (((44/4)^4) - (4 \times 4 \times 44)) \\
&:= 5 + (((5 \times 5 \times 555) - 5/5) + 55) + 5) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (6 \times 6 \times 6 + 66))) \\
&:= 7 + (((777/7) + 7)^{(7+7)/7}) + 7/7) + 7) \\
&:= 88 + (((88/8) + 8) + 8) \times ((8 \times 8 \times 8) + 8/8)) \\
&:= 9 + ((9 \times ((9 \times ((9 \times (9 + 9)) + 9)) + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13940 &:= 11 + (((1+1)^{11}) + ((111 - (1+1))^{1+1})) \\
&:= 2 \times ((2 \times (2 \times (((2 \times 22 - 2)^2) - 22))) + 2) \\
&:= 3 + (((333 - 3)/3) + ((3^3 - 3)^3)) + 3) \\
&:= 4 + (((4 - 4/4)^4) \times ((4 \times 44) - 4)) + 4) \\
&:= 5 + (((5 \times 5 \times 555) + 55) + 5) \\
&:= (((6 + 6)/6) + 66) \times ((6 \times 6 \times 6) - (66/6)) \\
&:= (((7 - 7/7) + 7) + 7) \times ((7 \times (7 \times (7 + 7))) + (77/7)) \\
&:= 8 + (((888 - 8)/8) + 8)^{(8+8)/8} + 8) \\
&:= 9 + ((9 \times ((9 \times ((9 \times (9 + 9)) + 9)) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13941 &:= 1 + (11 + (((1+1)^{11}) + ((111 - (1+1))^{1+1}))) \\
&:= 2 + (((((22/2)^2) - 2)^2) - 222) \\
&:= ((3^3 - 3)^3) + (3 \times ((33 + 3) + 3)) \\
&:= 4 + (((44/4)^4) - (4 \times 4 \times 44)) \\
&:= 55 + ((5 \times 5 \times 555) + (55/5)) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) - 6))) - (666/6)) + 6) \\
&:= 7 + (((((7+7)/7)^{7+7}) - (7 \times (7 \times 7 \times 7 + 7))) \\
&:= ((8+8) \times (888 - (8+8))) - (88/8) \\
&:= 9 + (9 \times ((9 \times ((9 \times (9+9)) + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13942 &:= (1+1) \times (((1+1)^{1+1+1}) - (11 \times 111)) \\
&:= 22 + ((22+2) \times (((22+2)^2) + 2) + 2) \\
&:= 3 + (((333+3)/3) + ((3^3 - 3)^3) + 3) \\
&:= 4 + (((44/4)^4) - (4 \times 4 \times 44)) + 4/4 \\
&:= 55 + ((5 \times 5 \times 555) + (55+5)/5) \\
&:= 6 + ((((((666+6)/6) + 6)^{(6+6)/6}) + 6) + 6) \\
&:= 7 + (((777/7) + 7)^{(7+7)/7}) + (77/7) \\
&:= ((8-88)/8) + ((8+8) \times (888 - (8+8))) \\
&:= 9 + (9 \times ((9 \times ((9 \times (9+9)) + 9)) + 9)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13943 &:= ((1+1)^{11-1-1}) + (11 \times (11 \times 111)) \\
&:= 2 + ((((((22/2)^2) - 2)^2) - 222) + 2) \\
&:= 3 \times 3 + (((333-3)/3) + ((3^3 - 3)^3)) \\
&:= (44/4) + (((4-4/4)^4) \times ((4 \times 44) - 4)) \\
&:= (5 \times (5 \times (555+5))) - (((5+5)/5) + 55) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 - 6)) + (66/6)) + 66) \\
&:= ((7-7/7) \times ((7 \times (7 \times 7 \times 7) - 77)) - 7/7) \\
&:= ((8+8) \times (888 - (8+8))) - (8/8 + 8) \\
&:= (99/9) + (9 \times ((9 \times ((9 \times (9+9)) + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13944 &:= (11^{1+1}) + (((1+1) \times (1+11))^{1+1+1}) - 1 \\
&:= 2 \times (2 \times ((2 \times ((2 \times 22 - 2)^2) - 22)) + 2) \\
&:= (33/3 + 3) \times ((3 \times 333) - 3) \\
&:= (4+4) \times ((4 \times ((4+4)^4)) - ((44/4)^4)) \\
&:= (55 + 5/5) \times ((5 \times 5 \times (5+5)) - 5/5) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - 66) \\
&:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) - 77) \\
&:= ((8+8) \times (888 - (8+8))) - 8 \\
&:= ((99+9)/9) + (9 \times ((9 \times ((9 \times (9+9)) + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13945 &:= (11^{1+1}) + (((1+1) \times (1+11))^{1+1+1}) \\
&:= ((22/2)^2) + ((22+2)^{2/2+2}) \\
&:= ((3^3 - 3)^3) + ((33/3)^{3-3/3}) \\
&:= 4 + (((44/4)^4) - (4 \times 4 \times 44)) + 4 \\
&:= (5 \times (5 \times (555+5))) - 55 \\
&:= 6 + (((6-6/6)^6) - (6 \times (6 \times 6 \times 6 + 66))) + 6 \\
&:= 7 + (((777/7) + 7)^{(7+7)/7}) + 7 + 7 \\
&:= 8/8 + (((8+8) \times (888 - (8+8))) - 8) \\
&:= ((99+9+9)/9) + (9 \times ((9 \times ((9 \times (9+9)) + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13946 &:= 1 + ((11^{1+1}) + (((1+1) \times (1+11))^{1+1+1})) \\
&:= 22 + (((2 \times (2 \times (22+2))) + 22)^2) \\
&:= ((3^3 - 3)^3) + (((3^3+3) + 3)/(3+3)) \\
&:= 4 + (((44/4)^4) - (4 \times 4 \times 44)) + 4/4 + 4 \\
&:= 5/5 + ((5 \times (5 \times (555+5))) - 55) \\
&:= (((6+6)/6)^6) \times ((6 \times 6 \times 6) + ((6+6)/6)) - 6 \\
&:= ((7+7)/7) + ((7-7/7) \times ((7 \times (7 \times 7 \times 7)) - 77)) \\
&:= ((8+8)/8) + (((8+8) \times (888 - (8+8))) - 8) \\
&:= ((9/9+9) + 9) \times (((9 \times 9 + 9)/(9+9)) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13947 &:= 1 + (1 + ((11^{1+1}) + (((1+1) \times (1+11))^{1+1+1}))) \\
&:= 2 + (((22+2)^{2/2+2}) + ((22/2)^2)) \\
&:= 3 + ((33/3 + 3) \times ((3 \times 333) - 3)) \\
&:= (4 \times ((4+4) \times 444)) - ((4/4 + 4^4) + 4) \\
&:= ((5+5)/5) + ((5 \times (5 \times (555+5))) - 55) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) - 6))) - (666/6)) + 6) + 6 \\
&:= ((77/7 + 7) \times (777 - 7/7)) - (7 + 7 + 7) \\
&:= 88/8 + ((8+8) \times (888 - (8/8 + 8 + 8))) \\
&:= 99 + ((9 \times (9 \times ((9 \times (9+9)) + 9))) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13948 &:= ((1+11)^{1+1+1}) + ((11 \times 1111) - 1) \\
&:= 2 + (((2 \times (2 \times (22+2))) + 22)^2) + 22 \\
&:= 3 + (((33/3)^{3-3/3}) + ((3^3 - 3)^3)) \\
&:= 44 \times (((4^4 + 4)/4) - 4) + 4^4 \\
&:= ((55+55)/5) \times (((5^5 - 5)/5) + 5) + 5 \\
&:= 66 + (((6+6)/6)^6) \times ((6 \times 6 \times 6) + 6/6) - 6 \\
&:= 7 + (((7+7)/7)^{7+7}) - (7 \times (7 \times 7 \times 7 + 7)) + 7 \\
&:= ((8+8) \times (888 - (8+8))) - (8 \times 8/(8+8)) \\
&:= 99 + ((9 \times (9 \times ((9 \times (9+9)) + 9))) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13949 &:= ((1+11)^{1+1+1}) + (11 \times 1111) \\
&:= 2 + (((22+2)^{2/2+2}) + ((22/2)^2)) + 2 \\
&:= ((3^3 - 3)^3) + (((3-3/3) + 3)^3) \\
&:= ((44/4)^4) + ((4 \times (4 - (4 \times 44))) - 4) \\
&:= (5 \times (((5 \times 555 + 5) + 5) + 5)) - 5/5 \\
&:= (66/6) + ((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - 66) \\
&:= ((7-7/7) + 7) \times (((77 \times (7+7)) - 7) + (7+7)/7) \\
&:= 8 + (((8+8) \times (888 - (8+8))) - 88/8) \\
&:= 99 + ((9 \times (9 \times ((9 \times (9+9)) + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13950 &:= 1 + (((1+11)^{1+1+1}) + (11 \times 1111)) \\
&:= ((2^{2+2+2}) \times (222 - 2 - 2)) - 2 \\
&:= 3^3 + (((3^3 - 3)^3) + (3 \times 33)) \\
&:= (4 \times ((4+4) \times 444)) - ((4+4)/4 + 4^4) \\
&:= 5 \times (((5 \times 555 + 5) + 5) + 5) \\
&:= 6 + (((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - 66) + 6) \\
&:= (77/7 + 7) \times (777 - ((7+7)/7)) \\
&:= ((8+8) \times (888 - (8+8))) - ((8+8)/8) \\
&:= 99 + (9 \times (9 \times ((9 \times (9+9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13951 &:= 1 + (1 + (((1 + 11)^{1+1+1}) + (11 \times 1111))) \\
&:= ((2^{2+2+2}) \times (222 - 2 - 2)) - 2/2 \\
&:= 3^3 + (((3^3 - 3)^3) + (3 \times 33)) + 3/3 \\
&:= (4 \times ((4 + 4) \times 444)) - (4/4 + 4^4) \\
&:= 5/5 + (5 \times ((5 \times 555 + 5) + 5) + 5) \\
&:= 666 + ((6 \times (6 - (6 \times 66))) + ((6 - 6/6)^6)) \\
&:= 7 + ((7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) - 77)) \\
&:= ((8 + 8) \times (888 - (8 + 8))) - 8/8 \\
&:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9)) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13952 &:= (111 - (1 + 1)) \times ((1 + 1)^{1+(1+1) \times (1+1+1)}) \\
&:= (2^{2+2+2}) \times (222 - 2 - 2) \\
&:= 3 + (((3 - 3/3) + 3)^3) + ((3^3 - 3)^3) \\
&:= 4 \times ((4 + 4) \times (444 - (4 + 4))) \\
&:= (5 \times 55) + (((((5 + 5)/5) + 5)^5) - (5^5 + 5)) \\
&:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + ((6 + 6)/6)) \\
&:= (((7 + 7)/7)^7) \times ((77/7) + (7 \times (7 + 7))) \\
&:= (8 + 8) \times (888 - (8 + 8)) \\
&:= 9 + (9 \times (9 \times (9 \times (9 + 9)) + 9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13953 &:= 1 + ((111 - (1 + 1)) \times ((1 + 1)^{1+(1+1) \times (1+1+1)})) \\
&:= 2/2 + ((2^{2+2+2}) \times (222 - 2 - 2)) \\
&:= (333 \times (3 \times 3 + 33)) - 33 \\
&:= ((44/4)^4) + (4 \times (4 - (4 \times 44))) \\
&:= (5 - (5 + 5)/5) \times (((5/5 + 5)^5) - 5^5) \\
&:= 6/6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + ((6 + 6)/6)) \\
&:= 7/7 + (((7 + 7)/7)^7) \times ((77/7) + (7 \times (7 + 7))) \\
&:= 8/8 + ((8 + 8) \times (888 - (8 + 8))) \\
&:= (999/9) + ((9 \times (9 \times (9 \times (9 + 9)) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13954 &:= ((1 + 1)^{11-1-1}) + (11 \times (1 + (11 \times 111))) \\
&:= 2 + ((2^{2+2+2}) \times (222 - 2 - 2)) \\
&:= 3/3 + ((333 \times (3 \times 3 + 33)) - 33) \\
&:= 4/4 + ((4 \times (4 - (4 \times 44))) + ((44/4)^4)) \\
&:= 55 + ((5 \times (5 \times 555 + 5)) - 5/5) \\
&:= 66 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + 6/6) \\
&:= ((77/7 + 7) \times (777 - 7/7)) - (7 + 7) \\
&:= ((8 + 8)/8) + ((8 + 8) \times (888 - (8 + 8))) \\
&:= ((99 + 99)/9) + (9 \times ((9 \times (9 \times (9 + 9)) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13955 &:= (11 \times (1 + 11)) + (((1 + 1) \times (1 + 11))^{1+1+1}) - 1 \\
&:= 2 + (((2^{2+2+2}) \times (222 - 2 - 2)) + 2/2) \\
&:= 3 + (((((3 - 3/3) + 3)^3) + ((3^3 - 3)^3)) + 3) \\
&:= 4 + ((4 \times ((4 + 4) \times 444)) - (4/4 + 4^4)) \\
&:= 55 + (5 \times (5 \times 555 + 5)) \\
&:= 66 + (((6 \times 6) - 6/6) \times ((6 \times 66) + 6/6)) - 6 \\
&:= ((77/7)^{77/7-7}) - (7 \times (7 \times (7 + 7))) \\
&:= 88/8 + (((8 + 8) \times (888 - (8 + 8))) - 8) \\
&:= 9 + ((99999/9) + (9 \times ((9 + 9) \times (9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13956 &:= (11 \times (1 + 11)) + (((1 + 1) \times (1 + 11))^{1+1+1}) \\
&:= (2 + 2 + 2) \times (((2 \times (22 + 2))^2) + 22) \\
&:= 33 + (((3^3 - 3)^3) + (3 \times 33)) \\
&:= 4 + (4 \times ((4 + 4) \times (444 - (4 + 4)))) \\
&:= 55 + ((5 \times (5 \times 555 + 5)) + 5/5) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - (6 + 6))) - (6 + 6) \\
&:= (7 - 7/7) \times (((7 \times (7 \times 7 \times 7)) - 77) + (7 + 7)/7) \\
&:= (8 \times 8/(8 + 8)) + ((8 + 8) \times (888 - (8 + 8))) \\
&:= ((9 + 9 + 9) \times (((9 + 9)/9)^9) + 9) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13957 &:= 1 + ((11 \times (1 + 11)) + (((1 + 1) \times (1 + 11))^{1+1+1})) \\
&:= 22 + (((22 + 2)^{2/2+2}) + 222/2) \\
&:= 3/3 + (((3^3 - 3)^3) + (3 \times 33)) + 33 \\
&:= 4 + ((4 \times (4 - (4 \times 44))) + ((44/4)^4)) \\
&:= (5 \times 55) + (((((5 + 5)/5) + 5)^5) - 5^5) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - (6 + 6))) - (66/6) \\
&:= 7 + ((77/7 + 7) \times (777 - ((7 + 7)/7))) \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) - 88/8) + 8 \\
&:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9 + 9)) + 99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13958 &:= (1 + 1 + 1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 1 + 1)) \\
&:= 2 + ((2 + 2 + 2) \times (((2 \times (22 + 2))^2) + 22)) \\
&:= (33/3 + 3) \times (((3 \times 3) + 3/3)^3) - 3 \\
&:= 4 + (((4 \times (4 - (4 \times 44))) + ((44/4)^4)) + 4/4) \\
&:= 5 + ((5 - (5 + 5)/5) \times (((5/5 + 5)^5) - 5^5)) \\
&:= 6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + ((6 + 6)/6)) \\
&:= (7 \times ((7 \times ((7 \times (7 \times 7) - 7)) - 7)) - (7 + 7)) - 7 \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) - ((8 + 8)/8)) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)) + 9)) - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13959 &:= 11 \times (1111 + (((1 + 1 + 11))^{1+1+1}) - 11) \\
&:= 22 + (((((22/2)^2) - 2)^2) - (222 + 2)) \\
&:= 3 \times (33 \times ((3 \times (33 + 3)) + 33)) \\
&:= (44/4) \times (((4 \times 4^4) - 44/4) + 4^4) \\
&:= 5 + (((5 \times (5 \times 555 + 5)) - 5/5) + 55) \\
&:= (666/6) + ((66 \times (6 \times 6 \times 6 - 6)) - (6 + 6)) \\
&:= 7 + (((7 + 7)/7)^7) \times ((77/7) + (7 \times (7 + 7))) \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) - 8/8) \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9)) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13960 &:= ((1 + 11)^{1+1+1}) + (11 \times (1 + 1111)) \\
&:= (22 - 2) \times (((22 + 2 + 2)^2) + 22) \\
&:= 3/3 + (3 \times (33 \times ((3 \times (33 + 3)) + 33))) \\
&:= 4 + ((4 \times ((4 + 4) \times (444 - (4 + 4)))) + 4) \\
&:= 5 + ((5 \times (5 \times 555 + 5)) + 55) \\
&:= 6 \times 6 + (((666 + 6)/6) + 6)^{(6+6)/6} \\
&:= (7/7 + 7) \times ((77 \times (7 + 7 + 7)) + (((7 + 7)/7)^7)) \\
&:= 8 + ((8 + 8) \times (888 - (8 + 8))) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)) + 9)) + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13961 &:= 1 + (((1 + 11)^{1+1+1}) + (11 \times (1 + 1111))) \\
&:= 22 + (((((22/2)^2) - 2)^2) - 222) \\
&:= 3 + ((33/3 + 3) \times (((3 \times 3) + 3/3)^3) - 3) \\
&:= 4 + (((4 \times (4 - (4 \times 44))) + ((44/4)^4)) + 4) \\
&:= (555/5) + (5 \times ((5 \times 555) - 5)) \\
&:= 66 + (((6 \times 6) - 6/6) \times ((6 \times 66) + 6/6)) \\
&:= ((77/7 + 7) \times (777 - 7/7)) - 7 \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) + 8/8) \\
&:= 99 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13962 &:= (1 + 1 + 11) \times (1111 - (111/(1 + 1 + 1))) \\
&:= 2 + ((22 - 2) \times (((22 + 2 + 2)^2) + 22)) \\
&:= 3 + (3 \times (33 \times ((3 \times (33 + 3)) + 33))) \\
&:= ((44 - 4)/4) + (4 \times ((4 + 4) \times (444 - (4 + 4)))) \\
&:= 5 + ((((((5 + 5)/5) + 5)^5) - 5^5) + (5 \times 55)) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - (6 + 6))) - 6 \\
&:= 7 + (((77/7)^{77/7-7}) - (7 \times (7 \times (7 + 7)))) \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) + ((8 + 8)/8)) \\
&:= (999/9) + (9 \times (9 \times ((9 \times (9 + 9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13963 &:= 1 + ((1 + 1 + 11) \times (1111 - (111/(1 + 1 + 1)))) \\
&:= ((22/2)^{2+2}) - (((22 + 2 + 2)^2) + 2) \\
&:= 3^3 + (((333 + 3)/3) + ((3^3 - 3)^3)) \\
&:= (44/4) + (4 \times ((4 + 4) \times (444 - (4 + 4)))) \\
&:= (5 \times (5 \times (555 + 5))) - (((5 + 5)/5)^5) + 5 \\
&:= 6/6 + ((6 \times ((6 \times ((6 \times 66) - 6)) - (6 + 6))) - 6) \\
&:= (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) - 7)) - (7 + 7))) - ((7 + 7)/7) \\
&:= 88/8 + ((8 + 8) \times (888 - (8 + 8))) \\
&:= ((999 + 9)/9) + (9 \times (9 \times ((9 \times (9 + 9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13964 &:= (1 + 1) \times (((1 + 1)^{1+1+1}) - (11 \times (111 - 1))) \\
&:= (2 \times 22^2) + (((222 + 2)/2) + 2)^2 \\
&:= 3 + (((33/3 + 3) \times (((3 \times 3) + 3/3)^3) - 3) + 3) \\
&:= 44 + ((44 - 4) \times (((4 + 4) \times 44) - 4)) \\
&:= (5 \times ((5 \times (555 + 5)) - 5)) - (55/5) \\
&:= 6 + (((((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + ((6 + 6)/6))) + 6) \\
&:= (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) - 7)) - (7 + 7))) - 7/7 \\
&:= ((88 + 8)/8) + ((8 + 8) \times (888 - (8 + 8))) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) + (((999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13965 &:= (11 + (11 - 1)) \times (((11)^{1+1+1}) - 1)/(1 + 1) \\
&:= ((22/2)^{2+2}) - ((22 + 2 + 2)^2) \\
&:= 33 + (((3^3 - 3)^3) + (3 \times (33 + 3))) \\
&:= 44 + (((44/4)^4) - (4 \times ((4 \times 44) + 4))) \\
&:= (5 \times ((5 \times (555 + 5)) - 5)) - (5 + 5) \\
&:= (6/6 + 6) \times (((6 \times 666) - 6)/(6 + 6)/6) \\
&:= 7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) - 7)) - (7 + 7)) \\
&:= (8 - 8/8) \times ((8 \times (((8 + 8) \times (8 + 8)) - 8)) + (88/8)) \\
&:= ((9/9 + 9) + 9) \times (((9 \times (9 \times 9)) - ((9 + 9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13966 &:= 1 + ((11 + (11 - 1)) \times (((11)^{1+1+1}) - 1)/(1 + 1)) \\
&:= (222 \times (2^{2+2+2})) - (22^2/2) \\
&:= 3 + (((333 + 3)/3) + ((3^3 - 3)^3)) + 3^3 \\
&:= (((44/4) + 44) \times (4^4 - (4 + 4)/4)) - 4 \\
&:= 5 + ((5 \times ((5 \times 555) - 5)) + (555/5)) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - (6 + 6))) - ((6 + 6)/6) \\
&:= 7/7 + (7 \times ((7 \times ((7 \times (7 \times 7) - 7)) - 7)) - (7 + 7)) \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) - ((8 + 8)/8)) + 8 \\
&:= 9 + (((9 - 9/9) + 9) \times ((9 \times (9 \times 9) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13967 &:= ((1 + 11)^{1+1}) + (((1 + 1) \times (1 + 11))^{1+1+1}) - 1 \\
&:= 2 + (((22/2)^{2+2}) - ((22 + 2 + 2)^2)) \\
&:= 33 + (((333 - 3)/3) + ((3^3 - 3)^3)) \\
&:= (4 \times (((4 + 4)^4) - 4)) - (((4 - 4)/4) + 4)^4 \\
&:= 5 + ((((((5 + 5)/5) + 5)^5) - 5^5) + (5 \times 55)) + 5 \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - (6 + 6))) - 6/6 \\
&:= ((77/7 + 7) \times (777 - 7/7)) - 7/7 \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) - 8/8) + 8 \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - 9/9) + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13968 &:= ((1 + 11)^{1+1}) + (((1 + 1) \times (1 + 11))^{1+1+1}) \\
&:= (22 + 2) \times (((((22 + 2)^2) + 2) + 2) + 2) \\
&:= ((3^3 - 3)^3) + ((3 + 3) \times (3^3 - 3)) \\
&:= 4 \times (((4 + 4) \times (444 - (4 + 4))) + 4) \\
&:= (5 \times (5 \times (555 + 5))) - (((5 + 5)/5)^5) \\
&:= 6 \times ((6 \times ((6 \times 66) - 6)) - (6 + 6)) \\
&:= (77/7 + 7) \times (777 - 7/7) \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) + 8) \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13969 &:= 1 + (((1 + 11)^{1+1}) + (((1 + 1) \times (1 + 11))^{1+1+1})) \\
&:= 2 + (((22/2)^{2+2}) - ((22 + 2 + 2)^2)) + 2 \\
&:= 3/3 + (((3 + 3) \times (3^3 - 3)) + ((3^3 - 3)^3)) \\
&:= ((44/4)^4) + (4 \times ((4 - (4 \times 44)) + 4)) \\
&:= (5 \times ((5 \times (555 + 5)) - 5)) - (5/5 + 5) \\
&:= 6/6 + (6 \times ((6 \times ((6 \times 66) - 6)) - (6 + 6))) \\
&:= 7/7 + ((77/7 + 7) \times (777 - 7/7)) \\
&:= ((8 + 8) \times (888 - 8)) - (888/8) \\
&:= 99 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13970 &:= (111 - 1) \times (111 + ((1 + 1)^{1+1+1})) \\
&:= 2 + ((22 + 2) \times (((22 + 2)^2) + 2) + 2) + 2) \\
&:= 3 + (((333 - 3)/3) + ((3^3 - 3)^3)) + 33 \\
&:= ((44/4) + 44) \times (4^4 - (4 + 4)/4) \\
&:= (5 \times ((5 \times (555 + 5)) - 5)) - 5 \\
&:= ((6 + 6)/6) + (6 \times ((6 \times ((6 \times 66) - 6)) - (6 + 6))) \\
&:= ((777 - 7)/7) \times ((7/7 + 77) + (7 \times 7)) \\
&:= ((888 - 8)/8) \times ((8 \times (8 + 8)) - 8/8) \\
&:= (99/9) \times (((9 + 9) \times 99) - (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13971 &:= 1 + ((111 - 1) \times (111 + ((1 + 1)^{1+1+1+1}))) \\
&:= 2 + (((((22/2)^{2+2}) - ((22 + 2 + 2)^2)) + 2) + 2) \\
&:= 3 + (((3 + 3) \times (3^3 - 3)) + ((3^3 - 3)^3)) \\
&:= 4 + ((4 \times (((4 + 4)^4) - 4)) - (((4 - 4/4) + 4)^4)) \\
&:= 5^5 + (((5/5 + 5)^5) - 55) + 5^5 \\
&:= (666/6) + (66 \times (6 \times 6 \times 6 - 6)) \\
&:= (777 \times (77/7 + 7)) - ((7/7 + 7) + 7) \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) + (88/8)) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13972 &:= (1 + 1 + 1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 1)) \\
&:= 222 + (22 \times ((2/2 + 2 + 2)^{2+2})) \\
&:= (33/3 + 3) \times ((3 \times 333) - 3/3) \\
&:= 4 + (4 \times (((4 + 4) \times (444 - (4 + 4))) + 4)) \\
&:= ((5 + 5)/5) + ((5 \times ((5 \times (555 + 5)) - 5)) - 5) \\
&:= ((666 + 6)/6) + (66 \times (6 \times 6 \times 6 - 6)) \\
&:= (777 \times (77/7 + 7)) - (7 + 7) \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) + ((88 + 8)/8)) \\
&:= (9/9 - 999) \times (((9 - 99)/9 + 9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13973 &:= 1 + ((1 + 1 + 1 + 11) \times (((11 - 1)^{1+1+1}) - (1 + 1))) \\
&:= ((22/2)^{2+2}) - (((2/2 + 2) \times 222) + 2) \\
&:= ((3^3 - 3)^3) + (((33 \times 3^3) + 3)/(3 + 3)) \\
&:= 4 + ((4 \times ((4 - (4 \times 44)) + 4)) + ((44/4)^4)) \\
&:= (5 \times ((5 \times (555 + 5)) - 5)) - ((5 + 5)/5) \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - (66 + 6/6) \\
&:= 7 \times 7 + (((777/7) + 7)^{(7+7)/7}) \\
&:= (8/8 + 88) \times ((88 - ((88/8) + 8)) + 88) \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) + ((999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13974 &:= ((1 + 111)^{1+1}) + ((1 + 1 + 11) \times (111 - 1)) \\
&:= 22 + ((2^{2+2+2}) \times (222 - 2 - 2)) \\
&:= (333 \times (3 \times 3 + 33)) - (3 \times 3 + 3) \\
&:= 4 + (((44/4) + 44) \times (4^4 - (4 + 4)/4)) \\
&:= (5 \times ((5 \times (555 + 5)) - 5)) - 5/5 \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - 66 \\
&:= (777 \times (77/7 + 7)) - ((77 + 7)/7) \\
&:= ((8 + 8)/8) \times ((8 \times (888 - (8 + 8))) + (88/8)) \\
&:= ((9 - 9/9) + 9) \times ((9 \times (9 \times 9 + 9)) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13975 &:= (((11 + (11 - 1)) \times (11^{1+1+1})) - 1)/(1 + 1) \\
&:= ((22/2)^{2+2}) - ((2/2 + 2) \times 222) \\
&:= (333 \times (3 \times 3 + 33)) - (33/3) \\
&:= (4/4 + 4) \times ((44 - 4/4) \times ((4^4 + 4)/4)) \\
&:= 5 \times ((5 \times (555 + 5)) - 5) \\
&:= (6/6 - 66) \times (6/6 - (6 \times 6 \times 6)) \\
&:= 7 + ((77/7 + 7) \times (777 - 7/7)) \\
&:= (8/8 + (8 \times 8)) \times (((8 \times (8 + 8)) - 8/8) + 88) \\
&:= (999 \times (((9 \times 9 + 9)/(9 + 9)) + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13976 &:= (1 + ((11 + (11 - 1)) \times (11^{1+1+1}))) / (1 + 1) \\
&:= 2 + (((2^{2+2+2}) \times (222 - 2 - 2)) + 22) \\
&:= 3^3 + (((3 - 3/3) + 3)^3) + ((3^3 - 3)^3) \\
&:= 44 + (((4 - 4/4)^4) \times ((4 \times 44) - 4)) \\
&:= 5/5 + (5 \times ((5 \times (555 + 5)) - 5)) \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - (((6 + 6)/6)^6) \\
&:= (((7 + 7)/7)^{7+7}) - (7 \times 7 \times 7 \times 7 + 7) \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) + 8) + 8 \\
&:= (9 - 9/9) \times (((9 + 9) \times (99 - ((9 + 9)/9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13977 &:= (11 - 1 - 1) \times ((111 \times (1 + 1 + 1 + 11)) - 1) \\
&:= (((((22/2)^2) + 2)^2) - (2 \times ((22 + 2)^2))) \\
&:= 3 \times ((333 \times (33/3 + 3)) - 3) \\
&:= 44 + (((44/4)^4) - ((4 \times 4 \times 44) + 4)) \\
&:= ((5 + 5)/5) + (5 \times ((5 \times (555 + 5)) - 5)) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) + 666/6) \\
&:= ((7 + 7)/7 + 7) \times (((7 + 7) \times 777) - 7/7) \\
&:= 8 + (((8 + 8) \times (888 - 8)) - (888/8)) \\
&:= (999 \times (((9 \times 9 + 9)/(9 + 9)) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13978 &:= 1 + ((11 - 1 - 1) \times ((111 \times (1 + 1 + 1 + 11)) - 1)) \\
&:= (2 - 22^2) \times ((2 - ((22/2) + 22)) + 2) \\
&:= 3 + ((333 \times (3 \times 3 + 33)) - 33/3) \\
&:= 4 + (((44/4) + 44) \times (4^4 - (4 + 4)/4) + 4) \\
&:= 5 + ((5 \times ((5 \times (555 + 5)) - 5)) - ((5 + 5)/5)) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 - 6)) + ((666 + 6)/6)) \\
&:= (777 \times (77/7 + 7)) - (7/7 + 7) \\
&:= 8 + (((888 - 8)/8) \times ((8 \times (8 + 8)) - 8/8)) \\
&:= 9 + (((9/9 + 9) + 9) \times ((9 \times (9 \times 9) + 9/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13979 &:= (11 \times (111 - 1)) + ((1 + (1 + 111))^{1+1}) \\
&:= 2 + (((((22/2)^2) + 2)^2) - (2 \times ((22 + 2)^2))) \\
&:= (3/3 + 3 + 3) \times (((3 + 3) \times 333) - 3/3) \\
&:= (4 \times ((4 + 4)^4)) - (((4 - 4/4) + 4)^4) + 4 \\
&:= 5 + ((5 \times ((5 \times (555 + 5)) - 5)) - 5/5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) - (66 + 6/6)) \\
&:= (777 \times (77/7 + 7)) - 7 \\
&:= 8 + (((8 + 8) \times (888 - (8 + 8))) + (88/8) + 8) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times 999) - 9)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13980 &:= 1 + ((11 \times (111 - 1)) + ((1 + (1 + 111))^{1+1})) \\
&:= (2/2 + 2) \times ((222 \times (22 - 2/2)) - 2) \\
&:= (333 \times (3 \times 3 + 33)) - (3 + 3) \\
&:= (4/4 + 4) \times ((4 \times (444 + 4^4)) - 4) \\
&:= 5 + (5 \times ((5 \times (555 + 5)) - 5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) - 66) \\
&:= 7/7 + ((777 \times (77/7 + 7)) - 7) \\
&:= 8 \times 8 + (((888 - 8)/8) + 8)^{(8+8)/8} - 8 \\
&:= 9 + (((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + (999/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13981 &:= 11 \times ((11 \times 111) + (((11 - 1)^{1+1}) / (1 + 1))) \\
&:= ((22/2)^{2+2}) + (22 \times (2 - (2 \times (2^{2+2})))) \\
&:= 3333 + ((33 - 33/3)^3) \\
&:= 44 + (((44/4)^4) - (4 \times 4 \times 44)) \\
&:= 5 + ((5 \times ((5 \times (555 + 5)) - 5)) + 5/5) \\
&:= 6 + ((6/6 - 66) \times (6/6 - (6 \times 6 \times 6))) \\
&:= ((7 + 7)/7) + ((777 \times (77/7 + 7)) - 7) \\
&:= (88/8) \times (((8 + 8) \times (88 - 8)) - (8/8 + 8)) \\
&:= 9 + ((9/9 - 999) \times (((9 - 99)/(9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13982 &:= ((1 + 1 + 1)^{11-1}) - (11 \times (1 + ((1 + 1)^{11+1}))) \\
&:= (222 \times ((2^{2+2+2}) - 2/2)) - (2 + 2) \\
&:= (333 \times (3 \times 3 + 33)) - (3/3 + 3) \\
&:= (4 \times ((4 + 4)^4)) - (((4 - 4/4) + 4)^4) + 4/4 \\
&:= 5 + ((5 \times ((5 \times (555 + 5)) - 5)) + ((5 + 5)/5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) - (((6 + 6)/6)^6)) \\
&:= 7 + (((77/7 + 7) \times (777 - 7/7)) + 7) \\
&:= ((8 - 88)/8) + (((8 + 8) \times (888 - 8)) - 88) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) + ((999 + 99)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13983 &:= 111 + ((1 + 11) \times ((1 + (11 \times (1 + 1 + 1)))^{1+1})) \\
&:= (2 \times 22) + (((((22/2)^2) - 2)^2) - 222) \\
&:= (333 \times (3 \times 3 + 33)) - 3 \\
&:= (4 \times ((4 + 4)^4)) - (((4 - 4/4) + 4)^4) \\
&:= (5 \times (5 \times (555 + 5))) - ((55 + 5)/5 + 5) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 - 6)) + 666/6) + 6) \\
&:= (((7 + 7)/7)^{7+7}) - (7 \times (7 \times 7 \times 7)) \\
&:= (88 - (8/8 + 8)) \times ((88 + 88) + 8/8) \\
&:= (9 \times (((9 \times (9 \times (9 + 9))) + 99) + 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13984 &:= (1 + 1) \times (((1 + 1 + 1) \times (111 \times (11 + (11 - 1)))) - 1) \\
&:= (222 \times ((2^{2+2+2}) - 2/2)) - 2 \\
&:= 3/3 + ((333 \times (3 \times 3 + 33)) - 3) \\
&:= (4 + 4) \times ((4 \times (444 - (4 + 4))) + 4) \\
&:= (5 \times (5 \times (555 + 5))) - (55/5 + 5) \\
&:= 66 + (((666 + 6)/6) + 6)^{(6+6)/6} - 6 \\
&:= (777 \times (77/7 + 7)) - ((7 + 7)/7) \\
&:= ((8 + 8) \times (888 - 8)) - (88 + 8) \\
&:= ((9/9 + 9) + 9) \times (((9 \times (9 \times 9)) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13985 &:= (111 \times (1 + (1 + (1 + (1 + (1 + (11^{1+1}))))))) - 1 \\
&:= (((((22/2)^2) - 2)^2) - (2 \times (2 \times 2 \times 22))) \\
&:= (333 \times (3 \times 3 + 33)) - 3/3 \\
&:= ((44/4)^4) + (4 \times ((4 \times (4 - 44)) - 4)) \\
&:= 5 + ((5 \times ((5 \times (555 + 5)) - 5)) + 5) \\
&:= (66/6) + ((6 \times (6 \times ((6 \times 66) - 6))) - 66) \\
&:= (777 \times (77/7 + 7)) - 7/7 \\
&:= 8/8 + (((8 + 8) \times (888 - 8)) - (88 + 8)) \\
&:= (999 \times (((9 \times 9 + 9)/(9 + 9)) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13986 &:= 111 \times (1 + (1 + (1 + (1 + (1 + (11^{1+1})))))) \\
&:= 222 \times ((2^{2+2+2}) - 2/2) \\
&:= 333 \times (3 \times 3 + 33) \\
&:= ((4^4 - 4)/4) \times (444/((4 + 4)/4)) \\
&:= (555/5) + (5 \times 5 \times 555) \\
&:= (6 \times 6 + 6) \times (666/((6 + 6)/6)) \\
&:= 777 \times (77/7 + 7) \\
&:= (888/8) \times ((8 \times (8 + 8)) - ((8 + 8)/8)) \\
&:= 999 \times (((9 \times 9 + 9)/(9 + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13987 &:= 1 + (111 \times (1 + (1 + (1 + (1 + (1 + (11^{1+1}))))))) \\
&:= 2/2 + (222 \times ((2^{2+2+2}) - 2/2)) \\
&:= 3/3 + (333 \times (3 \times 3 + 33)) \\
&:= 4 + ((4 \times ((4 + 4)^4)) - (((4 - 4/4) + 4)^4)) \\
&:= ((555 + 5)/5) + (5 \times 5 \times 555) \\
&:= 6 + (((6/6 - 66) \times (6/6 - (6 \times 6 \times 6))) + 6) \\
&:= 7/7 + (777 \times (77/7 + 7)) \\
&:= 8/8 + ((888/8) \times ((8 \times (8 + 8)) - ((8 + 8)/8))) \\
&:= 9/9 + (999 \times (((9 \times 9 + 9)/(9 + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13988 &:= 1 + (1 + (111 \times (1 + (1 + (1 + (1 + (1 + (11^{1+1}))))))) \\
&:= 2 + (222 \times ((2^{2+2+2}) - 2/2)) \\
&:= 3 + ((333 \times (3 \times 3 + 33)) - 3/3) \\
&:= 4 + ((4 + 4) \times ((4 \times (444 - (4 + 4))) + 4)) \\
&:= (5 \times (5 \times (555 + 5))) - ((55 + 5)/5) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) - 6))) - (((6 + 6)/6)^6)) + 6) \\
&:= ((7 + 7)/7) + (777 \times (77/7 + 7)) \\
&:= 8 \times 8 + (((888 - 8)/8) + 8)^{(8+8)/8} \\
&:= 9 + ((9 - ((9 + 9)/9)) \times (((9 + 9) \times 999) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13989 &:= (11 \times 111) + (((1 + (1 + 111))^{1+1}) - 1) \\
&:= 2 + ((222 \times ((2^{2+2+2}) - 2/2)) + 2/2) \\
&:= 3 + (333 \times (3 \times 3 + 33)) \\
&:= 4 + ((4 \times ((4 \times (4 - 44)) - 4)) + ((44/4)^4)) \\
&:= (5 \times (5 \times (555 + 5))) - (55/5) \\
&:= (6 \times 6/(6 + 6)) \times (((6/6 + 6) \times 666) + 6/6) \\
&:= ((7 + 7 + 7)/7) + (777 \times (77/7 + 7)) \\
&:= 8 + ((88/8) \times (((8 + 8) \times (88 - 8)) - (8/8 + 8))) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)) + 9))) + (999/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13990 &:= (11 \times 111) + ((1 + (1 + 111))^{1+1}) \\
&:= 2 + ((222 \times ((2^{2+2+2}) - 2/2)) + 2) \\
&:= 3 + ((333 \times (3 \times 3 + 33)) + 3/3) \\
&:= 4 + (((4^4 - 4)/4) \times (444/((4 + 4)/4))) \\
&:= (5 \times (5 \times (555 + 5))) - (5 + 5) \\
&:= 66 + (((666 + 6)/6) + 6)^{(6+6)/6} \\
&:= 7 + (((7 + 7)/7)^{7+7}) - (7 \times (7 \times 7 \times 7)) \\
&:= (((8 + 8)/8) + 8) \times ((88 \times (8 + 8)) - (8/8 + 8)) \\
&:= (9 \times ((9 + 9) \times 99)) - (((9 + 9)/9)^{99/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13991 &:= 1 + ((11 \times 111) + ((1 + (1 + 111))^{1+1})) \\
&:= (2 \times ((2 \times (2 \times 22 - 2))^2)) - ((22/2)^2) \\
&:= 3 + (((333 \times (3 \times 3 + 33)) - 3/3) + 3) \\
&:= 4 + (((4 \times ((4 + 4)^4)) - (((4 - 4/4) + 4)^4)) + 4) \\
&:= 5 + ((5 \times 5 \times 555) + (555/5)) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - (6/6 + 6 + 6) \\
&:= 7 + ((777 \times (77/7 + 7)) - ((7 + 7)/7)) \\
&:= ((8 + 8) \times (888 - 8)) - (8/8 + 88) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 99)) - ((99 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13992 &:= 11 \times ((1 + 11) \times (111 - (1 + 1 + 1 + 1 + 1))) \\
&:= 2 \times (22 \times (((2^{2+2}) \times (22 - 2)) - 2)) \\
&:= 3 + ((333 \times (3 \times 3 + 33)) + 3) \\
&:= 44 \times (((4^4 - (4 + 4))/4) + 4^4) \\
&:= ((55 + 55)/5) \times ((55 + 5^5)/5) \\
&:= 66 \times (((6 + 6)/6) - 6) + 6 \times 6 \times 6) \\
&:= 7 + ((777 \times (77/7 + 7)) - 7/7) \\
&:= ((8 + 8) \times (888 - 8)) - 88 \\
&:= (99/9) \times (((9999 - 9)/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13993 &:= ((1 + 1 + 1)^{11-1}) - (11 \times ((1 + 1)^{11+1})) \\
&:= (((22/2) + 2)^2) + ((22 + 2)^{2/2+2}) \\
&:= ((33/3)^{3/3+3}) - (3 \times ((3 + 3)^3)) \\
&:= ((44/4)^4) - ((4 + 4) \times ((4 - 4/4)^4)) \\
&:= (5 \times (5 \times (555 + 5))) - ((5 + 5)/5) + 5) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - (66/6) \\
&:= 7 + (777 \times (77/7 + 7)) \\
&:= 8/8 + (((8 + 8) \times (888 - 8)) - 88) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9) \times 999) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13994 &:= 1 + (((1 + 1 + 1)^{11-1}) - (11 \times ((1 + 1)^{11+1}))) \\
&:= 2 + (2 \times (22 \times (((2^{2+2}) \times (22 - 2)) - 2))) \\
&:= 3 \times 3 + ((333 \times (3 \times 3 + 33)) - 3/3) \\
&:= 4 + (((4^4 - 4)/4) \times (444/((4 + 4)/4))) + 4) \\
&:= (5 \times (5 \times (555 + 5))) - (5/5 + 5) \\
&:= ((6 - 66)/6) + (6 \times ((6 \times ((6 \times 66) - 6)) - 6)) \\
&:= 7 + ((777 \times (77/7 + 7)) + 7/7) \\
&:= 8 + ((888/8) \times ((8 \times (8 + 8)) - ((8 + 8)/8))) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 99)) - ((9/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13995 &:= (11 - 1 - 1) \times (1 + (111 \times (1 + 1 + 1 + 11))) \\
&:= 2 + (((22 + 2)^{2/2+2}) + (((22/2) + 2)^2)) \\
&:= 3 \times ((333 \times (33/3 + 3)) + 3) \\
&:= (4/4 + 4) \times ((4 \times (444 + 4^4)) - 4/4) \\
&:= (5 \times (5 \times (555 + 5))) - 5 \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) - 6))) - (666/6)) \\
&:= 7 + ((777 \times (77/7 + 7)) + (7 + 7)/7) \\
&:= 88/8 + (((8 + 8) \times (888 - 8)) - (88 + 8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 99)) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13996 &:= ((1 + 111)^{1+1}) + (11 \times (11 \times (1 + 11))) \\
&:= 2 \times ((22 \times (((2^{2+2}) \times (22 - 2)) - 2)) + 2) \\
&:= 3 + (((33/3)^{3/3+3}) - (3 \times ((3 + 3)^3))) \\
&:= ((4 \times 4 + 4) \times (444 + 4^4)) - 4 \\
&:= 5/5 + ((5 \times (5 \times (555 + 5))) - 5) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - ((6 + 6)/6 + 6) \\
&:= ((77 - 7)/7) + (777 \times (77/7 + 7)) \\
&:= 8 + (((888 - 8)/8) + 8)^{(8+8)/8} + (8 \times 8) \\
&:= 9/9 + ((9 \times (9 \times (9 + 9))) + 99) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13997 &:= 1 + (((1 + 111)^{1+1}) + (11 \times (11 \times (1 + 11)))) \\
&:= ((2 \times 22 + 2)^2) + ((222/2 - 2)^2) \\
&:= (33/3) + (333 \times (3 \times 3 + 33)) \\
&:= ((44/4)^4) + ((4 \times (4 \times (4 - 44))) - 4) \\
&:= ((5 + 5)/5) + ((5 \times (5 \times (555 + 5))) - 5) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - (6/6 + 6) \\
&:= (77/7) + (777 \times (77/7 + 7)) \\
&:= 8888 + ((8 \times (8 \times (88 - 8))) - 88/8) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times (9 + 9))) + 99) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13998 &:= ((1 + 1 + 1 + 11) \times ((11 - 1)^{1+1+1})) - (1 + 1) \\
&:= 222 + ((22 + 2) \times (((22 + 2)^2) - 2)) \\
&:= 3 + ((333 \times (3 \times 3 + 33)) + 3 \times 3) \\
&:= ((4 \times 4 + 4) \times (444 + 4^4)) - ((4 + 4)/4) \\
&:= (5 \times (5 \times (555 + 5))) - ((5 + 5)/5) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - 6 \\
&:= ((77 + 7)/7) + (777 \times (77/7 + 7)) \\
&:= 8 + (((8 + 8)/8) + 8) \times ((88 \times (8 + 8)) - (8/8 + 8)) \\
&:= ((9/9 - (9 \times (9 + 9))) \times (((99 + 9)/9) - 99)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 13999 &:= ((1 + 1 + 1 + 11) \times ((11 - 1)^{1+1+1})) - 1 \\
&:= 2 + (((222/2 - 2)^2) + ((2 \times 22 + 2)^2)) \\
&:= ((33/3 + 3) \times (((3 \times 3) + 3/3)^3)) - 3/3 \\
&:= (4 \times (((4 + 4)^4) + 4)) - (((4 - 4/4) + 4)^4) \\
&:= (5 \times (5 \times (555 + 5))) - 5/5 \\
&:= 6/6 + ((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - 6) \\
&:= 7 + (((777 \times (77/7 + 7)) - 7/7) + 7) \\
&:= 8 + (((8 + 8) \times (888 - 8)) - (8/8 + 88)) \\
&:= 9 + ((9 \times ((9 + 9) \times 99)) - (((9 + 9)/9)^{99/9}))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14000 &:= (1 + 1 + 1 + 11) \times ((11 - 1)^{1+1+1}) \\
&:= 2 \times ((2 - 22) \times (2 - (22 \times (2^{2+2})))) \\
&:= (33/3 + 3) \times (((3 \times 3) + 3/3)^3) \\
&:= (4 \times 4 + 4) \times (444 + 4^4) \\
&:= 5 \times (5 \times (555 + 5)) \\
&:= ((6 + 6)/6) + ((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - 6) \\
&:= 7 + ((777 \times (77/7 + 7)) + 7) \\
&:= 8 + (((8 + 8) \times (888 - 8)) - 88) \\
&:= (999 + 9/9) \times (((9 \times 9 + 9)/9 + 9) + 9)
\end{aligned}$$

► **14001** := $1 + ((1 + 1 + 1 + 11) \times ((11 - 1)^{1+1+1}))$
 := $(2 \times ((2 \times (2 \times 22 - 2))^2)) - (222/2)$
 := $3 \times (((33/3)^3) + 3333) + 3$
 := $((44/4)^4) + (4 \times (4 \times (4 - 44)))$
 := $5/5 + (5 \times (5 \times (555 + 5)))$
 := $(6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - (6 \times 6/(6 + 6))$
 := $77 + (((777/7) + 7)^{(7+7)/7})$
 := $8 + (((8 + 8) \times (888 - 8)) - 88) + 8/8$
 := $(9 \times ((9 \times (9 \times (9 + 9))) + 99)) - ((99 + 9)/9)$

► **14006** := $1 + (1 + ((1 + 11) \times (11 + ((1 + (11 \times (1 + 1 + 1)))^{1+1}))))$
 := $2 + (((22 - 2) \times ((22 + 2 + 2)^2)) + 22^2)$
 := $3 + (((33/3 + 3) \times (((3 \times 3) + 3/3)^3)) + 3)$
 := $4^4 + (((4/4 + 4)^4) \times (44/((4 + 4)/4)))$
 := $5 + ((5 \times (5 \times (555 + 5))) + 5/5)$
 := $((6 + 6)/6) + (6 \times ((6 \times ((6 \times 66) - 6)) - 6))$
 := $(7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) - 7)) - 7)) - (7/7 + 7)$
 := $((8 - 88)/8) + ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) + 8))$
 := $((9 + 9)/9) + ((9 \times (9 \times (9 + 9))) + 99) - 9$

► **14002** := $1 + (1 + ((1 + 1 + 1 + 11) \times ((11 - 1)^{1+1+1})))$
 := $2 + (2 \times ((2 - 22) \times (2 - (22 \times (2^{2+2}))))))$
 := $(3 \times (3 - ((3 + 3)^3))) + ((33/3)^{3/3+3})$
 := $4/4 + ((4 \times (4 \times (4 - 44))) + ((44/4)^4))$
 := $((5 + 5)/5) + (5 \times (5 \times (555 + 5)))$
 := $(6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - ((6 + 6)/6)$
 := $7 + (((777 \times (77/7 + 7)) + ((7 + 7)/7)) + 7)$
 := $8 + (((888/8) \times ((8 \times (8 + 8)) - ((8 + 8)/8))) + 8)$
 := $(9 \times ((9 \times (9 \times (9 + 9))) + 99)) - (99/9)$

► **14007** := $(11 + (11 - 1)) \times (1 + ((1 + 1) \times ((1 + 1 + 1) \times 111)))$
 := $((22 + 2)^2) + ((222/2) \times ((22/2)^2))$
 := $((3 + 3)^3) + (((3^3 - 3)^3) - 33)$
 := $4 + (((4 \times ((4 + 4)^4) + 4)) - (((4 - 4/4) + 4)^4)) + 4$
 := $5 + ((5 \times (5 \times (555 + 5))) + ((5 + 5)/5))$
 := $(6/6 + 6) \times (((6 \times 666) + 6)/(6 + 6)/6)$
 := $(7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) - 7)) - 7)) - 7$
 := $8888 + ((8 \times (8 \times (88 - 8))) - 8/8)$
 := $(9/9 - (9 \times (9 + 9))) \times (((99 + 9)/9) - 99)$

► **14003** := $1 + (1 + (1 + ((1 + 1 + 1 + 11) \times ((11 - 1)^{1+1+1}))))$
 := $2 + ((2 \times ((2 \times (2 \times 22 - 2))^2)) - (222/2))$
 := $3 + ((33/3 + 3) \times (((3 \times 3) + 3/3)^3))$
 := $4 + ((4 \times (((4 + 4)^4) + 4)) - (((4 - 4/4) + 4)^4))$
 := $5 + ((5 \times (5 \times (555 + 5))) - ((5 + 5)/5))$
 := $(6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - 6/6$
 := $77/7 \times (((7 + 7) \times ((77 + 7) + 7)) - 7/7)$
 := $88/8 + (((8 + 8) \times (888 - 8)) - 88)$
 := $((9/9 + 9) + 9) \times (((9 \times (9 \times 9)) - 9/9) + 9)$

► **14008** := $(1 + 1) \times (11111 - (11 + ((1 + 1)^{11+1})))$
 := $2 \times (2 \times ((2 \times ((2 \times 22 - 2)^2) - 2)) - 22)$
 := $3/3 + (((3^3 - 3)^3) - 33) + ((3 + 3)^3)$
 := $4 + (((4 \times 4 + 4) \times (444 + 4^4)) + 4)$
 := $5 + (((5 \times (5 \times (555 + 5))) - ((5 + 5)/5)) + 5)$
 := $6 + ((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - ((6 + 6)/6))$
 := $7 + (((777/7) + 7)^{(7+7)/7}) + 77$
 := $8888 + (8 \times (8 \times (88 - 8)))$
 := $((9 - 99)/(9 + 9) + (9 \times (9 \times (9 + 9))) + 99)$

► **14004** := $(1 + 11) \times (11 + ((1 + (11 \times (1 + 1 + 1)))^{1+1}))$
 := $2 \times (((2 - 22) \times (2 - (22 \times (2^{2+2})))) + 2)$
 := $((3^3 - 3)^3) + (3 \times (3^3 + 33))$
 := $4 + ((4 \times 4 + 4) \times (444 + 4^4))$
 := $5 + ((5 \times (5 \times (555 + 5))) - 5/5)$
 := $6 \times ((6 \times ((6 \times 66) - 6)) - 6)$
 := $(77/7 + 7) \times (777 + 7/7)$
 := $88 + (((888 - 8)/8) + 8)^{(8+8)/8} - 8$
 := $(9 \times ((9 \times (9 \times (9 + 9))) + 99)) - 9$

► **14009** := $1 + ((1 + 1) \times (11111 - (11 + ((1 + 1)^{11+1}))))$
 := $2 + (((222/2) \times ((22/2)^2)) + (22 + 2)^2)$
 := $3 \times 3 + ((33/3 + 3) \times (((3 \times 3) + 3/3)^3))$
 := $4 + (((4 \times (4 \times (4 - 44))) + ((44/4)^4)) + 4)$
 := $5 + (((5 \times (5 \times (555 + 5))) - 5/5) + 5)$
 := $6 + ((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) - 6/6)$
 := $((7 + 7)/7) + ((7 \times ((7 \times ((7 \times 7) - 7)) - 7)) - 7) - 7$
 := $8/8 + ((8 \times (8 \times (88 - 8))) + 8888)$
 := $9 + ((999 + 9/9) \times (((9 \times 9 + 9)/(9 + 9)) + 9))$

► **14005** := $1 + ((1 + 11) \times (11 + ((1 + (11 \times (1 + 1 + 1)))^{1+1})))$
 := $(2 \times (((2 \times (2 \times 22 - 2))^2) + 2)) - (222/2)$
 := $3/3 + ((3 \times (3^3 + 33)) + ((3^3 - 3)^3))$
 := $4 + ((4 \times (4 \times (4 - 44))) + ((44/4)^4))$
 := $5 + (5 \times (5 \times (555 + 5)))$
 := $6/6 + (6 \times ((6 \times ((6 \times 66) - 6)) - 6))$
 := $7/7 + ((77/7 + 7) \times (777 + 7/7))$
 := $((8 + 8) \times (888 - 8)) - ((88/8) + (8 \times 8))$
 := $9/9 + ((9 \times (9 \times (9 + 9))) + 99) - 9$

► **14010** := $11 + (((1 + 1 + 1 + 11) \times ((11 - 1)^{1+1+1})) - 1)$
 := $2 \times (((2/2 + 2)^{2 \times (2+2)} + (2 \times 222))$
 := $3 + (((3^3 - 3)^3) - 33) + ((3 + 3)^3)$
 := $((4 + 4)/4) \times (((4 - 4/4)^{4+4}) + 444)$
 := $5 + ((5 \times (5 \times (555 + 5))) + 5)$
 := $6 + (6 \times ((6 \times ((6 \times 66) - 6)) - 6))$
 := $7 + ((77/7) \times (((7 + 7) \times ((77 + 7) + 7)) - 7/7))$
 := $888 + (((8 + 8)/8) \times (((88/8) - 8)^8))$
 := $(9 \times ((9 \times (9 \times (9 + 9))) + 99)) - ((9 + 9 + 9)/9)$

$$\begin{aligned}
\blacktriangleright 14011 &:= 11 + ((1 + 1 + 1 + 11) \times ((11 - 1)^{1+1+1})) \\
&:= (((222 + 2) + 2) \times ((2^{2+2+2}) - 2)) - 2/2 \\
&:= ((3^3 - 3)^3) + ((33 \times (3 + 3)) - 33/3) \\
&:= (44/4) + ((4 \times 4 + 4) \times (444 + 4^4)) \\
&:= (55/5) + (5 \times (5 \times (555 + 5))) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) + 6/6) \\
&:= 7 + ((77/7 + 7) \times (777 + 7/7)) \\
&:= 8 + (((8 + 8) \times (888 - 8)) - 88) + (88/8) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 99)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14012 &:= (1 + (1 + 111)) \times (1 + (1 + (1 + (11^{1+1})))) \\
&:= ((222 + 2) + 2) \times ((2^{2+2+2}) - 2) \\
&:= 3^3 + ((333 \times (3 \times 3 + 33)) - 3/3) \\
&:= ((44/4)^4) - (((4/4 + 4)^4) + 4) \\
&:= ((55 + 5)/5) + (5 \times (5 \times (555 + 5))) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) + ((6 + 6)/6)) \\
&:= ((7 + 7)/7) \times ((77 \times ((77 + 7) + 7)) - 7/7) \\
&:= 88 + (((888 - 8)/8) + 8)^{(8+8)/8} \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 99)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14013 &:= 1 + ((1 + (1 + 111)) \times (1 + (1 + (1 + (11^{1+1})))))) \\
&:= 2/2 + (((222 + 2) + 2) \times ((2^{2+2+2}) - 2)) \\
&:= 3^3 + (333 \times (3 \times 3 + 33)) \\
&:= ((4 - 4/4)^4) \times (((4 \times 44) - 4) + 4/4) \\
&:= ((5 - 5/5) + 5) \times (((5 \times 5^5) - 55)/(5 + 5)) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) + (6 \times 6/(6 + 6))) \\
&:= (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) - 7)) - 7)) - 7/7 \\
&:= (((88/8) + 8) + 8) \times (((8 \times 8 \times 8) - 8/8) + 8) \\
&:= 9 \times ((9 \times (9 \times (9 + 9))) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14014 &:= (1 + 1 + 1 + 11) \times (1 + ((11 - 1)^{1+1+1})) \\
&:= 22 \times (((2 + 2 + 2)^{2+2}) - 22)/2) \\
&:= 3^3 + ((333 \times (3 \times 3 + 33)) + 3/3) \\
&:= ((44/4)^4) - (((4/4 + 4)^4) + ((4 + 4)/4)) \\
&:= (5 \times (55 \times 55)) - (5555/5) \\
&:= ((66 - 6)/6) + (6 \times ((6 \times ((6 \times 66) - 6)) - 6)) \\
&:= 7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) - 7)) - 7) \\
&:= ((8 + 8) \times (888 - 8)) - (((8 + 8)/8) + (8 \times 8)) \\
&:= 9/9 + (9 \times ((9 \times (9 \times (9 + 9))) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14015 &:= 1 + ((1 + 1 + 1 + 11) \times (1 + ((11 - 1)^{1+1+1}))) \\
&:= 2/2 + (22 \times (((2 + 2 + 2)^{2+2}) - 22)/2) \\
&:= (((3/3 + 3)^3) \times (((3 + 3)^3) + 3)) - 3/3 \\
&:= ((44/4)^4) - (((4/4 + 4)^4) + 4/4) \\
&:= 5 + (((5 \times (5 \times (555 + 5))) + 5) + 5) \\
&:= (66/6) + (6 \times ((6 \times ((6 \times 66) - 6)) - 6)) \\
&:= 7/7 + (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) - 7)) - 7)) \\
&:= ((8 + 8) \times (888 - 8)) - (8/8 + (8 \times 8)) \\
&:= ((9 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9))) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14016 &:= (1 + 11) \times (((1 + 11)^{1+1}) + ((1 + 1)^{11-1})) \\
&:= 2 \times ((2^{2+2}) \times ((2 \times (222 - 2)) - 2)) \\
&:= ((3/3 + 3)^3) \times (((3 + 3)^3) + 3) \\
&:= 4 \times (4 \times ((44 \times (4 \times 4 + 4)) - 4)) \\
&:= ((55/5)^{5-5/5}) - (5^5/5) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) + 6) \\
&:= ((7 + 7)/7) + (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) - 7)) - 7)) \\
&:= (8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) + 8) \\
&:= ((9 + 9 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9))) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14017 &:= ((11 \times (1 + 11)) - 1) \times (111 - (1 + 1 + 1 + 1)) \\
&:= (((22/2)^2) - 2)^2 - ((2 \times (2 + 2 + 2))^2) \\
&:= 3/3 + (((3/3 + 3)^3) \times (((3 + 3)^3) + 3)) \\
&:= 4/4 + (4 \times (4 \times ((44 \times (4 \times 4 + 4)) - 4))) \\
&:= ((5 - 5^5)/5) + ((55/5)^{5-5/5}) \\
&:= 6 + (((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) + 6/6) + 6) \\
&:= 7 \times 7 + ((77/7 + 7) \times (777 - 7/7)) \\
&:= 8/8 + ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) + 8)) \\
&:= (((9 \times 9) - 9)/(9 + 9)) + (9 \times ((9 \times (9 \times (9 + 9))) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14018 &:= ((1 + (1 + (11^{1+1})))^{1+1}) - 1111 \\
&:= 2 + (2 \times ((2^{2+2}) \times ((2 \times (222 - 2)) - 2))) \\
&:= 3 + (((3/3 + 3)^3) \times (((3 + 3)^3) + 3)) - 3/3 \\
&:= ((4 + 4)/4) + (4 \times (4 \times ((44 \times (4 \times 4 + 4)) - 4))) \\
&:= (((5 - 5^5) + 5)/5) + ((55/5)^{5-5/5}) \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - ((66 + 66)/6) \\
&:= 7 + (((77/7 + 7) \times (777 + 7/7)) + 7) \\
&:= ((8 + 8)/8) + ((8 + 8 + 8) \times ((8 \times ((8 \times 8) + 8)) + 8)) \\
&:= (9 \times ((9 + 9) \times (9 + 9))) + ((99999/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14019 &:= 1 + (((1 + (1 + (11^{1+1})))^{1+1}) - 1111) \\
&:= 2 + (((22/2)^2) - 2)^2 - ((2 \times (2 + 2 + 2))^2) \\
&:= 3 + (((3/3 + 3)^3) \times (((3 + 3)^3) + 3)) \\
&:= 4 + (((44/4)^4) - (((4/4 + 4)^4) + 4/4)) \\
&:= (5 \times ((5 \times (555 + 5)) + 5)) - (5/5 + 5) \\
&:= ((6 - (66 + 66))/6) + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= 7 + (((7 + 7)/7) \times ((77 \times ((77 + 7) + 7)) - 7/7)) \\
&:= 88/8 + ((8 \times (8 \times (88 - 8))) + 8888) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) + 99)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14020 &:= ((1 + 1)^{11-1}) + ((1 + (1 + (1 + 111)))^{1+1}) \\
&:= 2 \times ((2^{2+2}) \times ((2 \times (222 - 2)) - 2)) + 2) \\
&:= 3 + (((3/3 + 3)^3) \times (((3 + 3)^3) + 3)) + 3/3 \\
&:= 4 + (4 \times (4 \times ((44 \times (4 \times 4 + 4)) - 4))) \\
&:= (5 \times ((5 \times (555 + 5)) + 5)) - 5 \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) - 6)) + ((66 - 6)/6)) \\
&:= 7 + ((7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) - 7)) - 7)) - 7/7) \\
&:= 8 + (((888 - 8)/8) + 8)^{(8+8)/8} + 88 \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) + 99)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14021 &:= ((1 + (1 + (1 + 111))) \times (1 + (1 + (11^{1+1})))) - 1 \\
&:= ((22/2)^{2+2}) - (((22+2)^2) + 2 \times 22) \\
&:= ((3^3 - 3)^3) + ((33 \times (3+3)) - 3/3) \\
&:= ((44/4)^4) - (444 + (4 \times 44)) \\
&:= 5^5 + (((5/5+5)^5) - 5) + 5^5 \\
&:= 6 + ((6 \times ((6 \times (6 \times 66) - 6)) - 6)) + (66/6) \\
&:= 7 + (7 \times ((7 \times ((7 \times (7 \times 7) - 7)) - 7)) - 7) \\
&:= ((8+8) \times (888 - 88/8)) - (88/8) \\
&:= 9 + ((9 \times ((9 \times (9 \times 9) + 9)) + 99)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14022 &:= (1 + (1 + (1 + 111))) \times (1 + (1 + (11^{1+1}))) \\
&:= (((22/2)^2) + 2) \times (((222+2)/2) + 2) \\
&:= ((3^3 - 3)^3) + (33 \times (3+3)) \\
&:= 4 + ((4 \times (4 \times ((44 \times (4 \times 4 + 4)) - 4))) + ((4+4)/4)) \\
&:= 5 + (((55/5)^{5-5/5}) + ((5-5^5)/5)) \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - (6+6+6) \\
&:= (77/7+7) \times (((7+7)/7) + 777) \\
&:= 8 + (((8+8) \times (888 - 8)) - (((8+8)/8) + (8 \times 8))) \\
&:= 9 + (9 \times ((9 \times (9 \times 9) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14023 &:= 1 + ((1 + (1 + (1 + 111))) \times (1 + (1 + (11^{1+1})))) \\
&:= ((22+2)^{2/2+2}) + (((22-2)^2) - 2)/2) \\
&:= 3/3 + (((3^3 - 3)^3) + (33 \times (3+3))) \\
&:= 4 + (((44/4)^4) - (((4/4+4)^4) + 4/4)) + 4 \\
&:= (5 \times ((5 \times (555+5)) + 5)) - ((5+5)/5) \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - ((66/6) + 6) \\
&:= 7 + ((7 \times ((7 \times ((7 \times (7 \times 7) - 7)) - 7)) - 7)) + (7+7)/7) \\
&:= 8 + (((8+8) \times (888 - 8)) - (8/8 + (8 \times 8))) \\
&:= 9 + ((9 \times ((9 \times (9 \times 9) + 9)) + 99)) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14024 &:= 1 + (1 + ((1 + (1 + (1 + 111))) \times (1 + (1 + (11^{1+1})))))) \\
&:= 2 \times (2 \times ((2 \times ((2 \times 22 - 2)^2)) - 22)) \\
&:= 3 + (((3^3 - 3)^3) - 3/3) + (33 \times (3+3)) \\
&:= 4 + ((4 \times (4 \times ((44 \times (4 \times 4 + 4)) - 4))) + 4) \\
&:= (5 \times ((5 \times (555+5)) + 5)) - 5/5 \\
&:= ((6 - 66)/6) + ((6 \times (6 \times ((6 \times 66) - 6))) - 6) \\
&:= 7 + (((77/7+7) \times (777 - 7/7)) + (7 \times 7)) \\
&:= 8 + ((8+8+8) \times ((8 \times (8 \times 8) + 8)) + 8) \\
&:= (99/9) + (9 \times ((9 \times (9 \times 9) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14025 &:= 11 \times ((11^{1+1+1}) - ((1+111)/(1+1))) \\
&:= 2/2 + (2 \times (2 \times ((2 \times (22 - 2)^2)) - 22)) \\
&:= 3 + (((3^3 - 3)^3) + (33 \times (3+3))) \\
&:= (4^4 - 4/4) \times ((44/4) + 44) \\
&:= 5 \times ((5 \times (555+5)) + 5) \\
&:= (((6 - 66) + 6)/6) + ((6 \times (6 \times ((6 \times 66) - 6))) - 6) \\
&:= (77/7) + (7 \times ((7 \times ((7 \times (7 \times 7) - 7)) - 7)) - 7) \\
&:= 8 + (((8+8+8) \times ((8 \times (8 \times 8) + 8)) + 8) + 8/8) \\
&:= ((99+9)/9) + (9 \times ((9 \times (9 \times 9) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14026 &:= 1 + (11 \times ((11^{1+1+1}) - ((1+111)/(1+1)))) \\
&:= 2 + (2 \times (2 \times ((2 \times (22 - 2)^2)) - 22)) \\
&:= 3 + (((3^3 - 3)^3) + (33 \times (3+3))) + 3/3 \\
&:= 4/4 + ((4^4 - 4/4) \times ((44/4) + 44)) \\
&:= 5^5 + (((5/5+5)^5) + 5^5) \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - (((6+6)/6+6) + 6) \\
&:= ((7+7)/7) \times (((77 \times ((77+7) + 7)) - 7/7) + 7) \\
&:= 8 + (((8+8+8) \times ((8 \times (8 \times 8) + 8)) + 8)) + ((8+8)/8) \\
&:= ((99+9+9)/9) + (9 \times ((9 \times (9 \times 9) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14027 &:= ((1+1)^{11}) + (11 \times ((11 \times (1+1+1))^{1+1})) \\
&:= (((22/2) + 2)^2) \times (((2/2+2)^{2+2}) + 2) \\
&:= 3^3 + ((33/3+3) \times (((3 \times 3) + 3/3)^3)) \\
&:= 44 + ((4 \times ((4+4)^4)) - (((4-4/4) + 4)^4)) \\
&:= 5^5 + (((5/5+5)^5) + 5/5) + 5^5 \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - (6/6+6+6) \\
&:= ((7-7/7) + 7) \times ((77 \times (7+7)) + 7/7) \\
&:= 88/8 + ((8+8+8) \times ((8 \times (8 \times 8) + 8)) + 8) \\
&:= (9 \times ((9+9) \times (9+9))) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14028 &:= (1+1) \times (11111 - (1 + ((1+1)^{1+1}))) \\
&:= 2 \times ((2 \times ((2 \times (22 - 2)^2)) - 22)) + 2) \\
&:= (33/3+3) \times ((3 \times 333) + 3) \\
&:= (4 \times (((4+4) \times 444) - 44)) - 4 \\
&:= 5 + ((5 \times ((5 \times (555+5)) + 5)) - ((5+5)/5)) \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - (6+6) \\
&:= 7 + ((7 \times ((7 \times ((7 \times (7 \times 7) - 7)) - 7)) - 7)) + 7) \\
&:= ((8+8)/8) \times ((8 \times 888) - (((8+8)/8) + 88)) \\
&:= ((99+9)/9) \times (((99 \times 99) - 9/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14029 &:= (((11^{1+1}) - (1+1))^{1+1}) - (11 \times (1+11)) \\
&:= (((22/2)^2) - 2)^2 - (22 \times (2+2+2)) \\
&:= ((3+3)^3) + (((3^3 - 3)^3) - 33/3) \\
&:= 4 + ((4^4 - 4/4) \times ((44/4) + 44)) \\
&:= 5 + ((5 \times ((5 \times (555+5)) + 5)) - 5/5) \\
&:= (6 \times (6 \times ((6 \times 66) - 6))) - (66/6) \\
&:= 7 + ((77/7+7) \times (((7+7)/7) + 777)) \\
&:= 8 + (((8+8) \times (888 - 88/8)) - 88/8) \\
&:= 9 + (((9 \times ((9 \times (9 \times 9) + 9)) + 99)) - ((9+9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14030 &:= (1+1) \times (11111 - ((1+1)^{1+1})) \\
&:= 22222 - (2^{22/2+2}) \\
&:= ((3+3)^3) + (((3-33)/3) + ((3^3 - 3)^3)) \\
&:= (4/4+4) \times (((44 \times (4^4 - 4/4)) + 4)/4) \\
&:= 5 + (5 \times ((5 \times (555+5)) + 5)) \\
&:= ((6 - 66)/6) + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= ((7+7)/7) \times (((77 \times ((77+7) + 7)) + 7/7) + 7) \\
&:= ((8+8)/8) \times ((8 \times 888) - (8/8+88)) \\
&:= (9/9+9) \times (((9+9)/9)^9) + (9 \times 99)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14031 &:= 1 + ((1 + 1) \times (11111 - ((1 + 1)^{11+1}))) \\
 &:= 2 + (((((22/2)^2) - 2)^2) - (22 \times (2 + 2 + 2))) \\
 &:= ((3 + 3)^3) + (((3^3 - 3)^3) - 3 \times 3) \\
 &:= (4 \times (((4 + 4) \times 444) - 44)) - 4/4 \\
 &:= 5 + (((5/5 + 5)^5) + 5^5) + 5^5 \\
 &:= (((6 - 66) + 6)/6) + (6 \times (6 \times ((6 \times 66) - 6))) \\
 &:= (((((7 + 7)/7)^7) \times ((777 - 7)/7)) - (7 \times 7)) \\
 &:= ((8 + 8) \times (888 - 88/8)) - 8/8 \\
 &:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) + 99)) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14036 &:= 11 \times (11 \times (1 + (1 + (1 + (1 + (1 + 11)))))) \\
 &:= 22 \times ((2 \times ((2^{2+2}) \times (22 - 2))) - 2) \\
 &:= ((3 + 3)^3) + (((3^3 - 3)^3) - (3/3 + 3)) \\
 &:= 44 \times (((4^4 - 4)/4) + 4^4) \\
 &:= 5 + (((5/5 + 5)^5) + 5^5) + 5^5 \\
 &:= ((6 + 6)/6) + ((6 \times (6 \times ((6 \times 66) - 6))) - 6) \\
 &:= 7/7 + ((777 \times (77/7 + 7)) + (7 \times 7)) \\
 &:= ((8 + 8) \times (888 - 8)) - (88/((8 + 8)/8)) \\
 &:= (99 \times ((9 \times (9 + 9)) - 9)) - 9999/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14032 &:= (1 + 1) \times (1 + (11111 - ((1 + 1)^{11+1}))) \\
 &:= 2 + (22222 - (2^{22/2+2})) \\
 &:= 3 + (((3^3 - 3)^3) - 33/3) + ((3 + 3)^3) \\
 &:= 4 \times (((4 + 4) \times 444) - 44) \\
 &:= (((5 + 5)/5) + 5)^5 - (5 \times 555) \\
 &:= (6 \times (6 \times ((6 \times 66) - 6))) - ((6 + 6)/6 + 6) \\
 &:= (((7 + 7)/7)^{7+7}) + (7 \times (7 - (7 \times 7 \times 7))) \\
 &:= (8 + 8) \times (888 - 88/8) \\
 &:= 9 + (((9 \times (9 \times (9 \times (9 + 9))) + 99)) + 9/9) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14037 &:= 1 + (11 \times (11 \times (1 + (1 + (1 + (1 + (1 + 11)))))) \\
 &:= 2/2 + (((222 - 2)/2)^2) + ((2 \times 22)^2) \\
 &:= ((3 + 3)^3) + (((3^3 - 3)^3) - 3) \\
 &:= 4/4 + (44 \times (((4^4 - 4)/4) + 4^4)) \\
 &:= 5 + (((5 + 5)/5) + 5)^5 - (5 \times 555) \\
 &:= (6 \times (6 \times ((6 \times 66) - 6))) - (6 \times 6/(6 + 6)) \\
 &:= 7 \times 7 + ((777 \times (77/7 + 7)) + (7 + 7)/7) \\
 &:= ((8 + 8) \times 888) - ((8/8 + 8) \times ((88/8) + 8)) \\
 &:= ((9 - 9999)/9) + (99 \times ((9 \times (9 + 9)) - 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14033 &:= 1 + ((1 + 1) \times (1 + (11111 - ((1 + 1)^{11+1})))) \\
 &:= (((((22/2)^2) - 2)^2) - (2 \times (2^{2+2+2}))) \\
 &:= 33 + ((33/3 + 3) \times (((3 \times 3) + 3/3)^3)) \\
 &:= 4/4 + (4 \times (((4 + 4) \times 444) - 44)) \\
 &:= 5/5 + (((5 + 5)/5) + 5)^5 - (5 \times 555) \\
 &:= (6 \times (6 \times ((6 \times 66) - 6))) - (6/6 + 6) \\
 &:= (((((7 + 7)/7)^7) + 7) \times ((777/7) - 7)) - 7 \\
 &:= 8/8 + ((8 + 8) \times (888 - 88/8)) \\
 &:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) + 99)) + (99/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14038 &:= ((1 + 1)^{11}) + ((111 - 1) \times (111 - (1 + 1))) \\
 &:= 2 + (((222 - 2)/2)^2) + ((2 \times 22)^2) \\
 &:= 3/3 + (((3^3 - 3)^3) - 3) + ((3 + 3)^3) \\
 &:= ((4 + 4)/4) + (44 \times (((4^4 - 4)/4) + 4^4)) \\
 &:= (5 \times (5^5 - 5)) + ((5 - (5 \times 5^5))/(5 + 5)) \\
 &:= (6 \times (6 \times ((6 \times 66) - 6))) - ((6 + 6)/6) \\
 &:= 7 + (((((7 + 7)/7)^7) \times ((777 - 7)/7)) - (7 \times 7)) \\
 &:= 8 + (((8 + 8)/8) \times ((8 \times 888) - (8/8 + 88))) \\
 &:= 999 + ((9 \times ((9 \times (9 \times (9 + 9))) - 9)) - ((9 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14034 &:= 111 + (((11^{1+1}) - (1 + 1 + 1))^{1+1}) - 1 \\
 &:= ((2 \times 22)^2) + (((222 - 2)/2)^2) - 2 \\
 &:= ((3 + 3)^3) + (((3^3 - 3)^3) - (3 + 3)) \\
 &:= ((4 + 4)/4) + (4 \times (((4 + 4) \times 444) - 44)) \\
 &:= 5 + (((5 \times (5 \times (555 + 5)) + 5)) - 5/5) + 5 \\
 &:= (6 \times (6 \times ((6 \times 66) - 6))) - 6 \\
 &:= 7 + (((7 - 7/7) + 7) \times ((77 \times (7 + 7)) + 7/7)) \\
 &:= ((8 + 8)/8) + ((8 + 8) \times (888 - 88/8)) \\
 &:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) + 99)) + ((99 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14039 &:= (((11^{1+1}) - (1 + 1))^{1+1}) - (1 + (11^{1+1})) \\
 &:= (((22/2)^2) - 2)^2 - (((22/2)^2) + 2/2) \\
 &:= ((3 + 3)^3) + (((3^3 - 3)^3) - 3/3) \\
 &:= 4 + ((44 \times (((4^4 - 4)/4) + 4^4)) - 4/4) \\
 &:= (5 \times 555) + (55/5 \times ((5 - 5/5)^5)) \\
 &:= (6 \times (6 \times ((6 \times 66) - 6))) - 6/6 \\
 &:= 7 + (((7 + 7)/7)^{7+7}) + (7 \times (7 - (7 \times 7 \times 7))) \\
 &:= 8 + (((8 + 8) \times (888 - 88/8)) - 8/8) \\
 &:= 9 + ((9/9 + 9) \times (((9 + 9)/9)^9) + (9 \times 99))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14035 &:= 111 + (((11^{1+1}) - (1 + 1 + 1))^{1+1}) \\
 &:= 2 + (((((22/2)^2) - 2)^2) - (2 \times (2^{2+2+2}))) \\
 &:= 3/3 + (((3^3 - 3)^3) - (3 + 3)) + ((3 + 3)^3) \\
 &:= (44 \times (((4^4 - 4)/4) + 4^4)) - 4/4 \\
 &:= 5 + ((5 \times (5 \times (555 + 5)) + 5)) + 5 \\
 &:= 6/6 + ((6 \times (6 \times ((6 \times 66) - 6))) - 6) \\
 &:= 7 \times 7 + (777 \times (77/7 + 7)) \\
 &:= 8 + (((8 + 8 + 8) \times ((8 \times (8 \times 8) + 8)) + 8)) + (88/8) \\
 &:= ((99 + 99)/9) + (9 \times ((9 \times (9 \times (9 + 9))) + 99))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14040 &:= (((11^{1+1}) - (1 + 1))^{1+1}) - (11^{1+1}) \\
 &:= (2 - 22) \times (2 - (2 \times (22 \times (2^{2+2})))) \\
 &:= ((3 + 3)^3) + ((3^3 - 3)^3) \\
 &:= 4 + (44 \times (((4^4 - 4)/4) + 4^4)) \\
 &:= 5 \times (((5 - 5^5)/(5 + 5)) - 5) + 5^5 \\
 &:= 6 \times (6 \times ((6 \times 66) - 6)) \\
 &:= (((7 + 7)/7)^7) + 7 \times ((777/7) - 7) \\
 &:= 8 + ((8 + 8) \times (888 - 88/8)) \\
 &:= (9 + 9) \times ((9 \times 99) - (999/9))
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14041 &:= 1 + (((11^{1+1}) - (1+1))^{1+1}) - (11^{1+1}) \\
&:= 2/2 + ((2-22) \times (2 - (2 \times (22 \times (2^{2+2})))))) \\
&:= 3/3 + (((3^3 - 3^3)^3) + ((3+3)^3)) \\
&:= 4 + ((44 \times (((4^4 - 4)/4) + 4^4)) + 4/4) \\
&:= 5 + (((((5/5 + 5)^5) + 5^5) + 5^5) + 5) + 5) \\
&:= 6/6 + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= 7 + (((7 - 7/7) + 7) \times ((77 \times (7 + 7)) + 7/7)) + 7) \\
&:= 8 + (((8 + 8) \times (888 - 88/8)) + 8/8) \\
&:= ((9/9 + 9) + 9) \times (((9 \times (9 \times 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14042 &:= ((11^{1+1}) - (1+1)) \times ((11^{1+1}) - (1+1+1)) \\
&:= 2 + ((2-22) \times (2 - (2 \times (22 \times (2^{2+2})))))) \\
&:= 3 + (((3^3 - 3^3)^3) - 3/3) + ((3+3)^3) \\
&:= 4 + ((44 \times (((4^4 - 4)/4) + 4^4)) + ((4+4)/4)) \\
&:= 5 + (((((5+5)/5) + 5)^5) - (5 \times 555)) + 5) \\
&:= ((6+6)/6) + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= 7 + ((777 \times (77/7 + 7)) + (7 \times 7)) \\
&:= ((888/8) + 8) \times (((888 - 8)/8) + 8) \\
&:= 9 + (((9 \times (9 \times (9 \times 9))) + 99)) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14043 &:= 1 + (((11^{1+1}) - (1+1)) \times ((11^{1+1}) - (1+1+1))) \\
&:= ((22/2)^{2+2}) - (((22+2)^2) + 22) \\
&:= 3 + (((3^3 - 3^3)^3) + ((3+3)^3)) \\
&:= (44/4) + (4 \times (((4+4) \times 444) - 44)) \\
&:= 5 + (((5 - (5 \times 5^5))/(5+5)) + (5 \times (5^5 - 5))) \\
&:= (6 \times 6/(6+6)) + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= 7 + (((777 \times (77/7 + 7)) + (7 \times 7)) + 7/7) \\
&:= 88/8 + ((8+8) \times (888 - 88/8)) \\
&:= (999/9) + (9 \times ((9 \times (9 \times 9)) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14044 &:= (11^{1+1}) + (((11^{1+1}) - (1+1+1))^{1+1}) - 1) \\
&:= 222 + (((22+2)^{2/2+2}) - 2) \\
&:= 3 + (((3^3 - 3^3)^3) + ((3+3)^3)) + 3/3) \\
&:= ((4+4) \times ((4 \times (444 - 4)) - 4)) - 4 \\
&:= 55 + ((5 \times (5 \times (555 + 5))) - (55/5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) - ((6+6)/6)) \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - (((77+7)/7) + 7) \\
&:= 8 + (((8+8) \times (888 - 8)) - (88/((8+8)/8))) \\
&:= ((999+9)/9) + (9 \times ((9 \times (9 \times 9)) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14045 &:= (11^{1+1}) + (((11^{1+1}) - (1+1+1))^{1+1}) \\
&:= 222 + (((22+2)^{2/2+2}) - 2/2) \\
&:= 3 + (((((3^3 - 3^3)^3) - 3/3) + ((3+3)^3)) + 3) \\
&:= 44 + ((4 \times (4 \times (4 - 44))) + ((44/4)^4)) \\
&:= 5 \times ((55 - ((5+5)/5))^{(5+5)/5}) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) - 6/6) \\
&:= 77 + ((77/7 + 7) \times (777 - 7/7)) \\
&:= ((8 \times 8) - 88/8) \times (((8+8) \times (8+8)) + 8/8) + 8) \\
&:= 9 + ((99 \times ((9 \times (9 \times 9)) - 9)) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14046 &:= ((1+1) \times 111) + (((1+1) \times (1+11))^{1+1+1}) \\
&:= 222 + ((22+2)^{2/2+2}) \\
&:= 3 + (((3^3 - 3^3)^3) + ((3+3)^3)) + 3) \\
&:= ((4+4) \times ((4 \times (444 - 4)) - 4)) - ((4+4)/4) \\
&:= (5 \times 5^5) - (((5 - 5/5)^5) + 555) \\
&:= 6 + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7 - 7)) - (77/7)) \\
&:= ((8+8)/8) \times (((8 \times 888) - (8/8 + 88)) + 8) \\
&:= 9 + (((9 - 9999)/9) + (99 \times ((9 \times (9 \times 9)) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14047 &:= 11 \times (1 + (11 \times (1 + (1 + (1 + (1 + (1 + 111))))))) \\
&:= 2/2 + (((22+2)^{2/2+2}) + 222) \\
&:= 3 + (((((3^3 - 3^3)^3) + ((3+3)^3)) + 3/3) + 3) \\
&:= ((4+4) \times ((4 \times (444 - 4)) - 4)) - 4/4 \\
&:= 5 + (((((5+5)/5) + 5)^5) - (5 \times 555)) + 5) + 5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) + 6/6) \\
&:= 7 + (((((7+7)/7)^7) + 7) \times ((777/7) - 7)) \\
&:= ((8+8) \times (((8 - 88)/8) + 888)) - 8/8 \\
&:= (99/9) \times (((9+9) \times (9 \times 9) - 9)) - ((9/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14048 &:= (111^{1+1}) + (((1+11)^{1+1+1}) - 1) \\
&:= 2 + (((22+2)^{2/2+2}) + 222) \\
&:= 3 \times 3 + (((3^3 - 3^3)^3) - 3/3) + ((3+3)^3)) \\
&:= (4+4) \times ((4 \times (444 - 4)) - 4) \\
&:= (5 \times (((5 \times (555 + 5)) + 5) + 5)) - ((5+5)/5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) + ((6+6)/6)) \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - ((7/7 + 7) + 7) \\
&:= (8+8) \times (((8 - 88)/8) + 888) \\
&:= 9 + (((9/9 + 9) \times (((9+9)/9)^9) + (9 \times 99))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14049 &:= (111^{1+1}) + ((1+11)^{1+1+1}) \\
&:= (222 + 2/2) \times ((2^{2+2+2}) - 2/2) \\
&:= 3 \times 3 + (((3^3 - 3^3)^3) + ((3+3)^3)) \\
&:= 4/4 + ((4+4) \times ((4 \times (444 - 4)) - 4)) \\
&:= (5 \times (((5 \times (555 + 5)) + 5) + 5)) - 5/5 \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) + (6 \times 6/(6+6))) \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - (7 + 7) \\
&:= 8/8 + ((8+8) \times (((8 - 88)/8) + 888)) \\
&:= 9 + ((9 \times ((9 \times (9 \times 9)) - 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14050 &:= (((11^{1+1}) - (1+1))^{1+1}) - 111 \\
&:= (((((22/2)^2) - 2)^2) - (222/2)) \\
&:= 3 \times 3 + (((3^3 - 3^3)^3) + ((3+3)^3)) + 3/3) \\
&:= ((4+4)/4) + ((4+4) \times ((4 \times (444 - 4)) - 4)) \\
&:= 5 \times (((5 \times (555 + 5)) + 5) + 5) \\
&:= ((66 - 6)/6) + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= 7/7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - (7 + 7)) \\
&:= 8 + (((888/8) + 8) \times (((888 - 8)/8) + 8)) \\
&:= 9 + (((9/9 + 9) + 9) \times (((9 \times (9 \times 9)) + 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14051 &:= 1 + (((11^{1+1}) - (1 + 1))^{1+1}) - 111 \\
&:= ((2 - 222)/2) + (((22/2)^2) - 2)^2 \\
&:= ((3 + 3)^3) + (((3^3 - 3)^3) + (33/3)) \\
&:= 4 + (((4 + 4) \times ((4 \times (444 - 4)) - 4)) - 4/4) \\
&:= 5 \times 5 + (((5/5 + 5)^5) + 5^5) + 5^5 \\
&:= (66/6) + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - ((77 + 7)/7) \\
&:= (((88/8) - 8)^{8/8+8}) - (8 \times (8 \times 88)) \\
&:= (((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) + (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14052 &:= 1 + (1 + (((11^{1+1}) - (1 + 1))^{1+1}) - 111)) \\
&:= 2 + (((((22/2)^2) - 2)^2) - (222/2)) \\
&:= 3 + (((3^3 - 3)^3) + ((3 + 3)^3)) + 3 \times 3 \\
&:= 4 + ((4 + 4) \times ((4 \times (444 - 4)) - 4)) \\
&:= ((5 + 5)/5) + (5 \times ((5 \times (555 + 5)) + 5) + 5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) + 6) \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - (77/7) \\
&:= (((88 + 8)/8) + 8) \times ((8 \times 88) - 8/8) - 8 \\
&:= 9 + ((9 \times ((9 \times ((9 \times (9 + 9)) + 9)) + 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14053 &:= (1 + 11 + 11) \times ((1 + (11 \times 111))/(1 + 1)) \\
&:= 2 + (((((22/2)^2) - 2)^2) + ((2 - 222)/2)) \\
&:= ((3^3 - 3)^3) + (((3^{3+3}) - 33)/3) - 3 \\
&:= 4 + (((4 + 4) \times ((4 \times (444 - 4)) - 4)) + 4/4) \\
&:= 55 + ((5 \times (5 \times (555 + 5))) - ((5 + 5)/5)) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) - 6))) + 6/6) + 6) \\
&:= 7 \times 7 + ((77/7 + 7) \times (777 + 7/7)) \\
&:= ((8 + 8) \times (888 - 8)) - (((88/8) + 8) + 8) \\
&:= ((99 + 9 + 9)/9) \times ((999 + 9/9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14054 &:= 1 + ((1 + 11 + 11) \times ((1 + (11 \times 111))/(1 + 1))) \\
&:= 2 + ((((((22/2)^2) - 2)^2) - (222/2)) + 2) \\
&:= 3 + (((3^3 - 3)^3) + ((3 + 3)^3)) + (33/3) \\
&:= 4 + (((4 + 4) \times ((4 \times (444 - 4)) - 4)) + ((4 + 4)/4)) \\
&:= 55 + ((5 \times (5 \times (555 + 5))) - 5/5) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) - 6))) + ((6 + 6)/6)) + 6) \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - ((7 + 7)/7 + 7) \\
&:= ((8 + 8)/8) \times (((8 \times 888) - 88) + (88/8)) \\
&:= 9 + (((99 \times ((9 \times (9 + 9)) - 9)) - 9999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14055 &:= (1 + (1 + 1 + 1 + 11)) \times (((1 + 1)^{11}) - 1111) \\
&:= ((22 + 2)^{2/2+2}) + ((22^2 - 22)/2) \\
&:= ((33 + 33) \times (((3 + 3)^3) - 3)) - 3 \\
&:= (4/4 + 4) \times (((4^4 \times 44 - 4)/4) - 4) \\
&:= 55 + (5 \times (5 \times (555 + 5))) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) - 6))) + (6 \times 6/(6 + 6))) + 6) \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - (7/7 + 7) \\
&:= ((8 + 8) \times 888) - (((8 \times 8) + 88) + 8/8) \\
&:= ((9 + 9 + 9) \times (((9 + 9)/9)^9) + 9) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14056 &:= (11 \times (1 + 11)) + (((11^{1+1}) - (1 + 1 + 1))^{1+1}) \\
&:= ((2^{2+2+2}) \times (222 - 2)) - (22 + 2) \\
&:= ((3^3 - 3)^3) + (((3^{3+3}) - 33)/3) \\
&:= 4 + (((4 + 4) \times ((4 \times (444 - 4)) - 4)) + 4) \\
&:= 55 + ((5 \times (5 \times (555 + 5))) + 5/5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) + ((66 - 6)/6)) \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - 7 \\
&:= ((8 + 8) \times 888) - ((8 \times 8) + 88) \\
&:= ((9 + 9 + 9) \times (((9 + 9)/9)^9) + 9) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14057 &:= (11 \times ((11 - 1 - 1) \times (((1 + 11)^{1+1}) - (1 + 1)))) - 1 \\
&:= 222 + (((22 + 2)^{2/2+2}) + (22/2)) \\
&:= ((33 + 33) \times (((3 + 3)^3) - 3)) - 3/3 \\
&:= 444 + (((44/4)^4) - ((4 \times 4^4) + 4)) \\
&:= (5 \times 5^5) - (((5 \times 5^5) + 5)/(5 + 5)) + 5 \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) + (66/6)) \\
&:= 7/7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - 7) \\
&:= 8/8 + (((8 + 8) \times 888) - ((8 \times 8) + 88)) \\
&:= ((9 + 9 + 9) \times (((9 + 9)/9)^9) + 9) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14058 &:= 11 \times ((11 - 1 - 1) \times (((1 + 11)^{1+1}) - (1 + 1))) \\
&:= ((2^{2+2+2}) \times (222 - 2)) - 22 \\
&:= (33 + 33) \times (((3 + 3)^3) - 3) \\
&:= (44/4) \times (((4 \times 4^4) - ((4 + 4)/4)) + 4^4) \\
&:= (5 \times 5^5) + (((5 - (5 \times 5^5))/(5 + 5)) - 5) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) - 6))) + 6) + 6) \\
&:= ((7 + 7)/7) + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - 7) \\
&:= ((8 + 8)/8) \times ((8 \times (888 - 8)) - 88/8) \\
&:= 99 \times ((9 \times (9 + 9)) - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14059 &:= 1 + (11 \times ((11 - 1 - 1) \times (((1 + 11)^{1+1}) - (1 + 1)))) \\
&:= 2/2 + (((2^{2+2+2}) \times (222 - 2)) - 22) \\
&:= 3/3 + ((33 + 33) \times (((3 + 3)^3) - 3)) \\
&:= 4 + ((4/4 + 4) \times (((4^4 \times 44 - 4)/4) - 4)) \\
&:= (5 \times (5^5 - ((5^5 + 5)/(5 + 5)))) - 5/5 \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) - 6))) + 6/6) + 6) + 6 \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - (77/7)) \\
&:= 8 + (((88/8) - 8)^{8/8+8}) - (8 \times (8 \times 88)) \\
&:= 9/9 + (99 \times ((9 \times (9 + 9)) - (99/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14060 &:= 11 + (((111^{1+1}) + ((1 + 11)^{1+1+1})) \\
&:= 2 + (((2^{2+2+2}) \times (222 - 2)) - 22) \\
&:= 3 + (((33 + 33) \times (((3 + 3)^3) - 3)) - 3/3) \\
&:= (4/4 + 4) \times ((4 \times (4 \times 4 \times 44)) - 4) \\
&:= 5 \times (5^5 - ((5^5 + 5)/(5 + 5))) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) - 6))) + ((6 + 6)/6)) + 6) + 6 \\
&:= 77 + (((7 + 7)/7)^{7+7}) - (7 \times (7 \times 7 \times 7)) \\
&:= (((88 + 8)/8) + 8) \times ((8 \times 88) - 8/8) \\
&:= ((9/9 + 9) + 9) \times ((9 \times (9 \times 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14061 &:= 11 + (((11^{1+1}) - (1+1))^{1+1}) - 111 \\
&:= (222/2 - 2) \times (((2^{2 \times (2+2)}) + 2)/2) \\
&:= 3 + ((33 + 33) \times (((3+3)^3) - 3)) \\
&:= 444 + (((44/4)^4) - (4 \times 4^4)) \\
&:= 5/5 + (5 \times (5^5 - ((5^5 + 5)/(5+5))) \\
&:= ((6 \times 6/(6+6))^6) + ((6+6) \times (6666/6)) \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - ((7+7)/7) \\
&:= ((8+8) \times (888 - 8)) - ((88/8) + 8) \\
&:= ((9/9 + 99) + 9) \times (((999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14062 &:= 1 + (11 + (((11^{1+1}) - (1+1))^{1+1}) - 111) \\
&:= (2 \times (((2 \times (2 \times 22 - 2))^2) - (22 + 2))) - 2 \\
&:= 3 + (((33 + 33) \times (((3+3)^3) - 3)) + 3/3) \\
&:= (4 \times ((4 \times (44 \times (4 \times 4 + 4))) - 4)) - ((4+4)/4) \\
&:= (5 \times 5^5) - (((5 \times 5^5) + 5)/(5+5)) \\
&:= ((66 + 66)/6) + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - 7/7 \\
&:= ((8+8)/8) \times ((8 \times (888 - 8)) - (8/8 + 8)) \\
&:= (((99/9) + 99) + 9)^{(9+9)/9} - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14063 &:= 1 + (1 + (11 + (((11^{1+1}) - (1+1))^{1+1}) - 111)) \\
&:= ((22/2)^{2+2}) - (((22+2)^2) + 2) \\
&:= ((3^3 - 3)^3) + (((3^{3+3}) - 3)/3) - 3 \\
&:= (4 \times ((4 \times (44 \times (4 \times 4 + 4))) - 4)) - 4/4 \\
&:= (5 \times 5^5) + ((5 - (5 \times 5^5))/(5+5)) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) - 6))) + (66/6)) + 6) \\
&:= 7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7)) \\
&:= ((8+8) \times (888 - 8)) - (8/8 + 8 + 8) \\
&:= (9 - ((9+9)/9)) \times (((9+9) \times 999) + 99)/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14064 &:= (1 + 11) \times (1111 + ((1 + (11^{1+1}))/ (1 + 1))) \\
&:= 2 \times (((2 \times (2 \times 22 - 2))^2) - (22 + 2)) \\
&:= ((3^3 - 3)^3) + ((3 \times (3 \times 3^3)) - 3) \\
&:= 4 \times ((4 \times (44 \times (4 \times 4 + 4))) - 4) \\
&:= (5 \times (((5 - 5^5)/(5+5)) + 5^5)) - 5/5 \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) + 6)) - (6 + 6) \\
&:= 7/7 + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) \\
&:= (8 + 8) \times (888 - (8/8 + 8)) \\
&:= ((9+9+9)/9) \times ((9 \times (((9+9)/9)^9) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14065 &:= (11^{1+1+1+1}) - (((1+1) \times (1+11))^{1+1}) \\
&:= ((22/2)^{2+2}) - ((22+2)^2) \\
&:= ((3^3 - 3)^3) + (((3^{3+3}) - (3+3))/3) \\
&:= 4/4 + (4 \times ((4 \times (44 \times (4 \times 4 + 4))) - 4)) \\
&:= 5 \times (((5 - 5^5)/(5+5)) + 5^5) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) + 6)) - (66/6) \\
&:= ((7+7)/7) + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) \\
&:= 8/8 + ((8+8) \times (888 - (8/8 + 8))) \\
&:= ((9+9+9) \times (((9+9)/9)^9) + 9) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14066 &:= 1 + ((11^{1+1+1+1}) - (((1+1) \times (1+11))^{1+1})) \\
&:= (22^2/2) + ((22+2)^{2/2+2}) \\
&:= ((3^3 - 3)^3) + (((3^{3+3}) - 3)/3) \\
&:= ((4+4)/4) + (4 \times ((4 \times (44 \times (4 \times 4 + 4))) - 4)) \\
&:= 5/5 + (5 \times (((5 - 5^5)/(5+5)) + 5^5)) \\
&:= ((6 - 66)/6) + (6 \times ((6 \times ((6 \times 66) - 6)) + 6)) \\
&:= ((7+7+7)/7) + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) \\
&:= ((8+8)/8) + ((8+8) \times (888 - (8/8 + 8))) \\
&:= ((9+9+9) \times (((9+9)/9)^9) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14067 &:= (((11^{1+1}) - 1)^{1+1}) - ((1+1+1) \times 111) \\
&:= 2 + (((22/2)^{2+2}) - ((22+2)^2)) \\
&:= ((3^3 - 3)^3) + (3 \times (3 \times 3^3)) \\
&:= 4 + ((4 \times ((4 \times (44 \times (4 \times 4 + 4))) - 4)) - 4/4) \\
&:= 5 + ((5 \times 5^5) - (((5 \times 5^5) + 5)/(5+5))) \\
&:= (((6 - 66) + 6)/6) + (6 \times ((6 \times ((6 \times 66) - 6)) + 6)) \\
&:= (77/7) + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - 7) \\
&:= (((88/8) + 8) + 8) \times (((8 \times 8 \times 8) + 8/8) + 8) \\
&:= (9+9+9) \times (((9+9)/9)^9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14068 &:= 1 + (((11^{1+1}) - 1)^{1+1}) - ((1+1+1) \times 111) \\
&:= 2 \times (((2 \times (2 \times 22 - 2))^2) - 22) \\
&:= ((3^3 - 3)^3) + (((3^{3+3}) + 3)/3) \\
&:= 4 + (4 \times ((4 \times (44 \times (4 \times 4 + 4))) - 4)) \\
&:= 5 + (((5 - (5 \times 5^5))/(5+5)) + (5 \times 5^5)) \\
&:= (((6+6)/6)^6) + (6 \times ((6 \times ((6 \times 66) - 6)) - 6)) \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - ((7+7)/7)) \\
&:= ((8+8) \times (888 - 8)) - ((88+8)/8) \\
&:= 9/9 + ((9+9+9) \times (((9+9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14069 &:= 11 \times (1111 + (((1+1+11))^{1+1}) - 1) \\
&:= 2 + (((22/2)^{2+2}) - ((22+2)^2) + 2) \\
&:= 3 + (((3^{3+3}) - 3)/3) + ((3^3 - 3)^3) \\
&:= (44/4) \times (((4 \times 4^4) - 4/4) + 4^4) \\
&:= 5 + ((5 \times (((5 - 5^5)/(5+5)) + 5^5)) - 5/5) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6)) + 6)) - (6/6 + 6) \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - 7/7) \\
&:= ((8+8) \times (888 - 8)) - (88/8) \\
&:= 9 + (((9/9+9) + 9) \times ((9 \times (9 \times 9)) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14070 &:= 1 + (11 \times (1111 + (((1+1+11))^{1+1}) - 1)) \\
&:= 2 + (2 \times (((2 \times (2 \times 22 - 2))^2) - 22)) \\
&:= 3 + (((3^3 - 3)^3) + (3 \times (3 \times 3^3))) \\
&:= (4/4 + 4) \times (((4^4 \times 44) - (4+4))/4) \\
&:= 5 + (5 \times (((5 - 5^5)/(5+5)) + 5^5)) \\
&:= ((6 \times 66) + 6) \times ((6 \times 6) - 6/6) \\
&:= 7 + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) \\
&:= ((8 - 88)/8) + ((8+8) \times (888 - 8)) \\
&:= 9 + (((9/9+99) + 9) \times (((999/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14071 &:= 1 + (1 + (11 \times (1111 + (((1 + 1 + 11)^{1+1}) - 1)))) \\
&:= (((22/2)^2) - 2^2) - (2 \times 2 \times 22 + 2) \\
&:= 3 + (((3^3+3) + 3)/3) + ((3^3 - 3)^3) \\
&:= ((4/4 + 4) \times ((4^4 \times 44 - 4)/4)) - 4 \\
&:= 5 + ((5 \times ((5 - 5^5)/(5 + 5)) + 5^5)) + 5/5 \\
&:= 6/6 + (((6 \times 66) + 6) \times ((6 \times 6) - 6/6)) \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) + 7/7) \\
&:= ((8 + 8) \times (888 - 8)) - (8/8 + 8) \\
&:= 9999/9 + ((9 + 9) \times ((9 \times (9 \times 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14072 &:= 11 + (11 + (((11^{1+1}) - (1 + 1))^{1+1}) - 111)) \\
&:= 2 \times (((2 \times (2 \times 22 - 2))^2) - 22) + 2) \\
&:= 3 + (((3^3+3) - 3)/3) + ((3^3 - 3)^3) + 3) \\
&:= (4 + 4) \times ((4 \times (444 - 4)) - 4/4) \\
&:= 5 + (((5 \times 5^5) - ((5 \times 5^5) + 5)/(5 + 5)) + 5) \\
&:= ((6 + 6)/6) + (((6 \times 66) + 6) \times ((6 \times 6) - 6/6)) \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) + (7 + 7)/7) \\
&:= ((8 + 8) \times (888 - 8)) - 8 \\
&:= (9 - 9/9) \times (9999/9 + (9 \times ((9 \times 9) - 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14073 &:= (111^{1+1}) + ((1 + 11) \times (1 + (1 + ((1 + 11)^{1+1})))) \\
&:= (((22/2)^2) - 2^2) - (2 \times 2 \times 22) \\
&:= 33 + (((3^3 - 3)^3) + ((3 + 3)^3)) \\
&:= 4 + ((44/4) \times (((4 \times 4^4) - 4/4) + 4^4)) \\
&:= 5 + (((5 - (5 \times 5^5))/(5 + 5)) + (5 \times 5^5)) + 5) \\
&:= (66 \times 6/(6 + 6)) + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= (((7 + 7)/7)^7) \times ((777 - 7)/7) - 7 \\
&:= 8/8 + (((8 + 8) \times (888 - 8)) - 8) \\
&:= ((9 - 9/9) \times ((9 + 9) \times 99) - 9) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14074 &:= (1 + 1) \times (11111 - ((1 + 1) \times (((1 + 1)^{1+1}) - 11))) \\
&:= 2 + (2 \times (((2 \times (2 \times 22 - 2))^2) - 22) + 2) \\
&:= 3 + (((3^3+3) + 3)/3) + ((3^3 - 3)^3) + 3) \\
&:= 4 + ((4/4 + 4) \times (((4^4 \times 44) - (4 + 4))/4)) \\
&:= (55 \times ((5 - 5/5)^{5-5/5})) - (5/5 + 5) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6) + 6)) - ((6 + 6)/6)) \\
&:= (77/7) + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) \\
&:= ((8 + 8)/8) + (((8 + 8) \times (888 - 8)) - 8) \\
&:= 9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9) + 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14075 &:= (1 + 1 + 1 + 1 + 1) \times ((11 \times ((1 + 1)^{(1+1)^{1+1}})) - 1) \\
&:= 2 + (((22/2)^2) - 2^2) - (2 \times 2 \times 22) \\
&:= 3 \times 3 + (((3^3+3) - 3)/3) + ((3^3 - 3)^3) \\
&:= (4/4 + 4) \times ((4^4 \times 44 - 4)/4) \\
&:= 5 \times (((5 \times (555 + 5)) + 5) + 5) + 5) \\
&:= (6 \times ((6 \times ((6 \times 66) - 6) + 6)) - 6/6) \\
&:= (((7 + 7)/7) + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) \\
&:= 88/8 + ((8 + 8) \times (888 - (8/8 + 8))) \\
&:= 9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9) + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14076 &:= (11 - 1 - 1) \times (((1 + 1)^{1+1}) - ((11 + 11)^{1+1})) \\
&:= 2 \times ((2 \times ((2^{2+2}) \times (222 - 2))) - 2) \\
&:= ((3^3 - 3)^3) + (3 \times ((3 \times 3^3) + 3)) \\
&:= (4 \times (4 \times (44 \times (4 \times 4 + 4)))) - 4 \\
&:= ((5/5 + 5)^5) + ((5 + 5) \times ((5^5/5) + 5)) \\
&:= 6 \times ((6 \times ((6 \times 66) - 6) + 6)) \\
&:= 7 + (((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - 7/7) + 7) \\
&:= ((8 + 8) \times (888 - 8)) - (8 \times 8/(8 + 8)) \\
&:= 9 + ((9 + 9 + 9) \times (((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14077 &:= 1 + ((11 - 1 - 1) \times (((1 + 1)^{1+1}) - ((11 + 11)^{1+1}))) \\
&:= (2 \times (2 - (2 \times 22))) + (((22/2)^2) - 2^2) \\
&:= 3 \times 3 + (((3^3+3) + 3)/3) + ((3^3 - 3)^3) \\
&:= 4/4 + ((4 \times (4 \times (44 \times (4 \times 4 + 4)))) - 4) \\
&:= 5 + (((5 \times 5^5) - ((5 \times 5^5) + 5)/(5 + 5)) + 5) + 5) \\
&:= 6/6 + (6 \times ((6 \times ((6 \times 66) - 6) + 6)) \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) + 7) \\
&:= 8 + (((8 + 8) \times (888 - 8)) - 88/8) \\
&:= 9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9) + 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14078 &:= (1 + 1) \times (((111 - 1) \times ((1 + 1)^{(1+1) \times (1+1+1)})) - 1) \\
&:= ((2^{2+2+2}) \times (222 - 2)) - 2 \\
&:= ((3^3 - 3)^3) + (((3^3+3) + 33)/3) \\
&:= (4 \times (4 \times (44 \times (4 \times 4 + 4)))) - ((4 + 4)/4) \\
&:= (55 \times ((5 - 5/5)^{5-5/5})) - ((5 + 5)/5) \\
&:= ((6 + 6)/6) + (6 \times ((6 \times ((6 \times 66) - 6) + 6)) \\
&:= 7 + (((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) + 7/7) + 7) \\
&:= ((8 + 8) \times (888 - 8)) - ((8 + 8)/8) \\
&:= (99/9) + ((9 + 9 + 9) \times (((9 + 9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14079 &:= (11 \times (1111 + ((1 + 1 + 11)^{1+1}))) - 1 \\
&:= ((2^{2+2+2}) \times (222 - 2)) - 2/2 \\
&:= 3 + ((3 \times ((3 \times 3^3) + 3)) + ((3^3 - 3)^3)) \\
&:= (4 \times (4 \times (44 \times (4 \times 4 + 4)))) - 4/4 \\
&:= (55 \times ((5 - 5/5)^{5-5/5})) - 5/5 \\
&:= (6 \times 6/(6 + 6)) + (6 \times ((6 \times ((6 \times 66) - 6) + 6)) \\
&:= (((7 + 7)/7)^7) \times ((777 - 7)/7) - 7/7 \\
&:= ((8 + 8) \times (888 - 8)) - 8/8 \\
&:= ((9/9 + 9) + 9) \times (((99 + 9)/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14080 &:= 11 \times (1111 + ((1 + 1 + 11)^{1+1})) \\
&:= (2^{2+2+2}) \times (222 - 2) \\
&:= ((3^3 - 3)^3) + ((3/3 + 3)^{3/3+3}) \\
&:= 4 \times (4 \times (44 \times (4 \times 4 + 4))) \\
&:= 55 \times ((5 - 5/5)^{5-5/5}) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6) + 6)) - ((6 + 6)/6)) \\
&:= (((7 + 7)/7)^7) \times ((777 - 7)/7) \\
&:= (8 + 8) \times (888 - 8) \\
&:= ((9 - ((9 + 9)/9) + 9) \times ((9 \times 99) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14081 &:= 1 + (11 \times (1111 + ((1 + 1 + 11)^{1+1}))) \\
&:= 2/2 + ((2^{2+2+2}) \times (222 - 2)) \\
&:= 3 + (((3^{3+3}) + 33)/3) + ((3^3 - 3)^3) \\
&:= 4/4 + (4 \times (4 \times (44 \times (4 \times 4 + 4)))) \\
&:= 55 + (((5/5 + 5)^5) + 5^5) + 5^5 \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) + 6)) - 6/6) \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) + (77/7)) \\
&:= 8/8 + ((8 + 8) \times (888 - 8)) \\
&:= 9 + (((9 + 9) \times (9 \times (9 \times 9)) - 9)) + ((9999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14082 &:= 1 + (1 + (11 \times (1111 + ((1 + 1 + 11)^{1+1})))) \\
&:= 2 + ((2^{2+2+2}) \times (222 - 2)) \\
&:= 3 + (((3 \times (3 \times 3^3) + 3)) + ((3^3 - 3)^3) + 3) \\
&:= ((4 + 4)/4) + (4 \times (4 \times (44 \times (4 \times 4 + 4)))) \\
&:= ((5 + 5)/5) + (55 \times ((5 - 5/5)^{5-5/5})) \\
&:= 6 + (6 \times ((6 \times ((6 \times 66) - 6)) + 6)) \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) + ((77 + 7)/7)) \\
&:= ((8 + 8)/8) + ((8 + 8) \times (888 - 8)) \\
&:= (9 \times (((9 \times (9 \times (9 + 9))) + 99) + 9)) - ((99 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14083 &:= 1 + (1 + (1 + (11 \times (1111 + ((1 + 1 + 11)^{1+1})))))) \\
&:= 2 + (((2^{2+2+2}) \times (222 - 2)) + 2/2) \\
&:= 3 + (((3/3 + 3)^{3/3+3}) + ((3^3 - 3)^3)) \\
&:= 4 + ((4 \times (4 \times (44 \times (4 \times 4 + 4)))) - 4/4) \\
&:= (5 \times (5^5 + 5)) + (((5 - (5 \times 5^5))/(5 + 5)) - 5) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) + 6)) + 6/6) \\
&:= 7 + (((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - 7/7) + 7) + 7 \\
&:= 88/8 + (((8 + 8) \times (888 - 8)) - 8) \\
&:= (9 \times (((9 \times (9 \times (9 + 9))) + 99) + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14084 &:= (11^{1+1+1+1}) - (1 + ((1 + 1111)/(1 + 1))) \\
&:= 2 + (((2^{2+2+2}) \times (222 - 2)) + 2) \\
&:= (33/3 + 3) \times (((3 \times 3) + 3/3)^3) + 3 + 3 \\
&:= 4 + (4 \times (4 \times (44 \times (4 \times 4 + 4)))) \\
&:= 5 + ((55 \times ((5 - 5/5)^{5-5/5})) - 5/5) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) + 6)) + ((6 + 6)/6)) \\
&:= 7 + (((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) + 7) + 7) \\
&:= (8 \times 8/(8 + 8)) + ((8 + 8) \times (888 - 8)) \\
&:= (((9/9 + 9) + 9) + 9) \times (((9 + 9)/9)^9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14085 &:= (11^{1+1+1+1}) - ((1 + 1111)/(1 + 1)) \\
&:= (222/2)^2 + ((2 \times 22 - 2)^2) \\
&:= 3 \times ((333 \times (33/3 + 3)) + 33) \\
&:= (4/4 + 4) \times (((4^4 \times 44) + 4)/4) \\
&:= 5 + (55 \times ((5 - 5/5)^{5-5/5})) \\
&:= (6 \times 66) + (((666/6) + 6)^{(6+6)/6}) \\
&:= 7 + (((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) + 7/7) + 7) + 7 \\
&:= 8 + (((8 + 8) \times (888 - 8)) - 88/8) + 8 \\
&:= (9 \times (((9 \times (9 \times (9 + 9))) + 99) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14086 &:= (11^{1+1+1+1}) - ((1111 - 1)/(1 + 1)) \\
&:= (2 \times (((2 \times (2 \times 22 - 2))^2) - 2)) - 22 \\
&:= ((3/3 + 3)^{3+3}) + (3 \times (3333 - 3)) \\
&:= 4 + ((4 \times (4 \times (44 \times (4 \times 4 + 4)))) + ((4 + 4)/4)) \\
&:= ((55/5)^{5-5/5}) - 555 \\
&:= ((66 - 6)/6) + (6 \times ((6 \times ((6 \times 66) - 6)) + 6)) \\
&:= 7 + (((((7 + 7)/7)^7) \times ((777 - 7)/7)) - 7/7) \\
&:= 8 + (((8 + 8) \times (888 - 8)) - ((8 + 8)/8)) \\
&:= 9/9 + ((9 \times (((9 \times (9 \times (9 + 9))) + 99) + 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14087 &:= 1 + ((11^{1+1+1+1}) - ((1111 - 1)/(1 + 1))) \\
&:= 2 + (((222/2)^2) + ((2 \times 22 - 2)^2)) \\
&:= ((3^3 - 3)^3) + (((33 \times (3^3 - 3)) - 3)/3) \\
&:= 4 + (((4 \times (4 \times (44 \times (4 \times 4 + 4)))) - 4/4) + 4) \\
&:= (5 \times (5^5 + 5)) - (((5 \times 5^5) + 5)/(5 + 5)) \\
&:= (66/6) + (6 \times ((6 \times ((6 \times 66) - 6)) + 6)) \\
&:= 7 + (((7 + 7)/7)^7) \times ((777 - 7)/7) \\
&:= 8 + (((8 + 8) \times (888 - 8)) - 8/8) \\
&:= 9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9) + 9)) + (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14088 &:= (1 + 1) \times ((1 + 11) \times (11 + (((1 + 1) \times (1 + 11))^{1+1}))) \\
&:= 2 \times (2 \times (((2^{2+2}) \times (222 - 2)) + 2)) \\
&:= (3^3 - 3) \times (((3 \times 3 + 3)^3) + 33)/3 \\
&:= 4 + ((4 \times (4 \times (44 \times (4 \times 4 + 4)))) + 4) \\
&:= (5 \times (5^5 + 5)) + ((5 - (5 \times 5^5))/(5 + 5)) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) + 6)) + 6) \\
&:= 7 + (((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) + (77/7)) + 7) \\
&:= 8 + ((8 + 8) \times (888 - 8)) \\
&:= 9 + (((9/9 + 9) + 9) \times (((99 + 9)/9) + (9 \times (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14089 &:= (11^{1+1+1+1}) + (((1 + (1 + 1111))^{1+1}) - 11) \\
&:= ((22 - 2)^2) + (((22/2)^2) - (2 + 2)^2) \\
&:= ((3^3 - 3)^3) + (((33 \times (3^3 - 3)) + 3)/3) \\
&:= 4 + ((4/4 + 4) \times (((4^4 \times 44) + 4)/4)) \\
&:= (55 \times ((5^5 + 5)/(5 + 5))) - (5^5 + 5/5) \\
&:= 6 + (((6 \times ((6 \times ((6 \times 66) - 6)) + 6)) + 6/6) + 6) \\
&:= 7 \times 7 + (((((7 + 7)/7)^7) + 7) \times ((777/7) - 7)) \\
&:= 8 + (((8 + 8) \times (888 - 8)) + 8/8) \\
&:= 9 + (((9 - ((9 + 9)/9)) + 9) \times ((9 \times 99) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14090 &:= (11 - 1) \times (1 + (11 \times ((1 + 1)^{1+(1+1) \times (1+1+1)}))) \\
&:= (2 \times ((2 \times (2 \times 22 - 2))^2)) - 22 \\
&:= 3 + (((33 \times (3^3 - 3)) - 3)/3) + ((3^3 - 3)^3) \\
&:= (4/4 + 4) \times (((4^4 \times 44) + 4) + 4)/4 \\
&:= 5 \times (((5 - 5^5)/(5 + 5)) + 5^5) + 5 \\
&:= 6 + (((6 \times ((6 \times ((6 \times 66) - 6)) + 6)) + ((6 + 6)/6)) + 6) \\
&:= ((777/7) \times ((7/7 + 77) + (7 \times 7))) - 7 \\
&:= 8 + (((8 + 8) \times (888 - 8)) + ((8 + 8)/8)) \\
&:= (9/9 + 9) \times (((99/9 + 9) \times ((9 \times 9) - (99/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14091 &:= 11 \times (1 + (1111 + ((1 + 1 + 11)^{1+1}))) \\
&:= 2/2 + ((2 \times ((2 \times (2 \times 22 - 2)^2)) - 22) \\
&:= 3 \times (((33/3 + 3) + 3)^3) - ((3 + 3)^3) \\
&:= (44/4) + (4 \times (4 \times (44 \times (4 \times 4 + 4)))) \\
&:= 5 + (((55/5)^{5-5/5}) - 555) \\
&:= 6 + (((666/6) + 6)^{(6+6)/6}) + (6 \times 66) \\
&:= 77 + (7 \times ((7 \times ((7 \times (7 \times 7) - 7)) - 7)) - 7) \\
&:= 88/8 + ((8 + 8) \times (888 - 8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 99) + 9) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14092 &:= 1 + (11 \times (1 + (1111 + ((1 + 1 + 11)^{1+1})))) \\
&:= 2 + ((2 \times ((2 \times (2 \times 22 - 2)^2)) - 22) \\
&:= (3 \times 3333) + (((3/3 + 3)^{3+3}) - 3) \\
&:= ((4 + 4)^4) + (((44 - 4)/4)^4) - 4 \\
&:= 5 + ((5 \times (5^5 + 5)) - (((5 \times 5^5) + 5)/(5 + 5))) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) + 6)) + ((66 - 6)/6)) \\
&:= ((7 - 7/7) + 7) \times (((77 \times (7 + 7)) - 7/7) + 7) \\
&:= ((88 + 8)/8) + ((8 + 8) \times (888 - 8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 99) + 9) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14093 &:= 1 + (1 + (11 \times (1 + (1111 + ((1 + 1 + 11)^{1+1})))))) \\
&:= 2 + (((2 \times ((2 \times (2 \times 22 - 2)^2)) - 22) + 2/2) \\
&:= 3^3 + (((3^{3+3}) - 3)/3) + ((3^3 - 3)^3) \\
&:= 4 + (((4/4 + 4) \times (((4^4 \times 44) + 4)/4)) + 4) \\
&:= 5 + (((5 - (5 \times 5^5))/(5 + 5)) + (5 \times (5^5 + 5))) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) - 6)) + 6)) + (66/6)) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - (((77 + 7)/7) + 7) \\
&:= ((88 + 8 + 8)/8) + ((8 + 8) \times (888 - 8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 99) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14094 &:= ((1 + 1)^{1+1+1}) + (((11 - 1)^{1+1+1+1}) - (1 + 1)) \\
&:= (2 \times (((2 \times (2 \times 22 - 2)^2) + 2)) - 22 \\
&:= (3 + 3) \times (3^3 \times (((3 \times 3^3) + 3) + 3)) \\
&:= ((4 - 4/4)^4) \times ((4 \times 44) - ((4 + 4)/4)) \\
&:= (55 - 5/5) \times (((5 - 5/5)^{5-5/5}) + 5) \\
&:= 6 + (((6 \times ((6 \times ((6 \times 66) - 6)) + 6)) + 6) + 6) \\
&:= (77/7 + 7) \times ((777 - 7/7) + 7) \\
&:= 8 + (((8 + 8) \times (888 - 8)) - ((8 + 8)/8) + 8) \\
&:= 9 \times (((9 \times (9 \times (9 + 9))) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14095 &:= ((1 + 1)^{1+1+1}) + ((11 - 1 - 1) \times 1111) \\
&:= (((22/2)^2) - 2)^2 - ((2^{2+2+2}) + 2) \\
&:= (3 \times 3333) + ((3/3 + 3)^{3+3}) \\
&:= ((4 + 4)^4) + (((44 - 4)/4)^4) - 4/4 \\
&:= (5 \times ((5 \times 555) + 55)) - 55 \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) - 6))) - (66/6)) \\
&:= ((77/7)^{77/7-7}) - ((7 \times 77) + 7) \\
&:= 8 + (((8 + 8) \times (888 - 8)) - 8/8) + 8 \\
&:= 9/9 + (9 \times ((9 \times (9 \times (9 + 9))) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14096 &:= ((1 + 1)^{1+1+1}) + ((11 - 1)^{1+1+1+1}) \\
&:= 2 \times (2 \times (2 \times (((2 \times 22 - 2)^2) - 2))) \\
&:= 3 + (((3^{3+3}) - 3)/3) + ((3^3 - 3)^3) + 3^3 \\
&:= 4 \times ((4 \times (44 \times (4 \times 4 + 4))) + 4) \\
&:= (5 \times (55 \times 55)) - ((5 - 5/5)^5 + 5) \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) - 6))) + ((6 - 66)/6)) \\
&:= (7/7 + 7) \times (((7 + 7) \times (77 + 7 \times 7)) - ((7 + 7)/7)) \\
&:= 8 + (((8 + 8) \times (888 - 8)) + 8) \\
&:= ((9 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9))) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14097 &:= 111 \times (111 + ((1 + 1)^{1+1+1+1})) \\
&:= (222/2) \times (((2^{2 \times (2+2)}) - 2)/2) \\
&:= 3 + ((3 \times 3 \times (3^3 + 3)) + ((3^3 - 3)^3)) \\
&:= 4/4 + (((44 - 4)/4)^4) + ((4 + 4)^4) \\
&:= (555/5) \times ((5 \times 5 \times 5) + ((5 + 5)/5)) \\
&:= (666/6) \times (((66/6) \times (66/6)) + 6) \\
&:= (777/7) \times ((7/7 + 77) + (7 \times 7)) \\
&:= (888/8) \times ((8 \times (8 + 8)) - 8/8) \\
&:= (999/9) \times (((9/9 + 99) + 9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14098 &:= 1 + (111 \times (111 + ((1 + 1)^{1+1+1+1}))) \\
&:= 2 + (2 \times (2 \times (2 \times (((2 \times 22 - 2)^2) - 2)))) \\
&:= 3 + ((3 \times 3333) + ((3/3 + 3)^{3+3})) \\
&:= 4 + (((4 - 4/4)^4) \times ((4 \times 44) - ((4 + 4)/4))) \\
&:= (((5 + 5)/5) + 5) \times (5^5 - (5555/5)) \\
&:= (((6 + 6)/6)^6) + ((6 \times (6 \times ((6 \times 66) - 6))) - 6) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - (7 + 7) \\
&:= ((8 - 888)/8) + ((8 + 8) \times 888) \\
&:= ((9/9 + 9) + 9) \times (((99 + 9 + 9)/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14099 &:= (11^{1+1+1}) + (((1 + (1 + 111))^{1+1}) - 1) \\
&:= 2 + ((222/2) \times (((2^{2 \times (2+2)}) - 2)/2)) \\
&:= 33 + (((3^{3+3}) - 3)/3) + ((3^3 - 3)^3) \\
&:= 4 + (((44 - 4)/4)^4) - 4/4 + ((4 + 4)^4) \\
&:= (5 \times (5^5 - ((5 \times (55 + 5)) + 5))) - 5/5 \\
&:= ((66 - 6/6) \times ((6 \times 6 \times 6) + 6/6)) - 6 \\
&:= 7/7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - (7 + 7) \\
&:= 8 + (((8 + 8) \times (888 - 8)) + (88/8)) \\
&:= 99 + ((999 + 9/9) \times (((9 \times 9 + 9)/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14100 &:= (11^{1+1+1}) + ((1 + (1 + 111))^{1+1}) \\
&:= 2 \times ((2 \times (2 \times (((2 \times 22 - 2)^2) - 2))) + 2) \\
&:= 33 + (((3^3 - 3)^3) + (3 \times (3 \times 3^3))) \\
&:= 4 + (((44 - 4)/4)^4) + ((4 + 4)^4) \\
&:= 5 \times (5^5 - ((5 \times (55 + 5)) + 5)) \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) - 6))) - 6) \\
&:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7 - 7)) - ((7 + 7)/7)) \\
&:= (((88 + 8)/8) + 8) \times ((8 \times 88) + 8/8) \\
&:= (9/9 + 99) \times (((99/9) \times ((99 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14101 &:= 1 + ((11^{1+1+1}) + ((1 + (1 + 111))^{1+1})) \\
&:= (2 \times ((2 \times (2 \times 22 - 2))^2)) - (22/2) \\
&:= 33 + (((3^3+3) + 3)/3) + ((3^3 - 3)^3) \\
&:= 4 + (((((44 - 4)/4)^4) + ((4 + 4)^4)) + 4/4) \\
&:= (5 \times (55 \times 55)) - ((5 - 5/5)^5) \\
&:= 66 + (((6 \times (6 \times (6 \times 66) - 6))) - 6) + 6/6) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - (77/7) \\
&:= ((8 + 8) \times 888) - (((88/8) + 88) + 8) \\
&:= 9 + (9 \times ((9 \times (9 \times (9 + 9))) + 99) + 9) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14102 &:= 1 + (1 + ((11^{1+1+1}) + ((1 + (1 + 111))^{1+1}))) \\
&:= 22 + ((2^{2+2+2}) \times (222 - 2)) \\
&:= 3 + (((((3^3+3) - 3)/3) + ((3^3 - 3)^3)) + 33) \\
&:= (44/4) \times (((4 + 4)/4) + (4 \times 4^4)) + 4^4 \\
&:= 5 + ((555/5) \times ((5 \times 5 \times 5) + ((5 + 5)/5))) \\
&:= 66 + (((6 \times (6 \times (6 \times 66) - 6))) - 6) + ((6 + 6)/6) \\
&:= (((77/7)^{77/7-7}) - (7 \times 77)) \\
&:= ((8 + 8)/8) \times ((8 \times (888 - 8)) + (88/8)) \\
&:= 9 + (9 \times ((9 \times (9 \times (9 + 9))) + 99) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14103 &:= ((1 + 1) \times 1111) + ((111 - (1 + 1))^{1+1}) \\
&:= 2222 + ((222/2 - 2)^2) \\
&:= 3 \times (((33/3 + 3) \times (333 + 3)) - 3) \\
&:= (4 - 4/4) \times ((4444 + 4^4) + 4/4) \\
&:= ((5 - 5/5) + 5) \times (((5 \times 5^5) - 5)/(5 + 5) + 5) \\
&:= (6 \times ((6 \times (6 \times 66) - 6)) - (666/6) + 6) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - ((7 + 7)/7 + 7) \\
&:= 8 + (((((8 + 8) \times (888 - 8)) - 8/8) + 8) + 8) \\
&:= 9 + (9 \times ((9 \times (9 \times (9 + 9))) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14104 &:= 1 + (((1 + 1) \times 1111) + ((111 - (1 + 1))^{1+1})) \\
&:= 2 \times (2 \times ((2 \times (2 \times 22 - 2))^2) - 2) \\
&:= ((3 + 3)^3) + (((3^3 - 3)^3) + ((3/3 + 3)^3)) \\
&:= 4 + (((((44 - 4)/4)^4) + ((4 + 4)^4)) + 4) \\
&:= 5 + ((5 \times (5^5 - ((5 \times (55 + 5)) + 5))) - 5/5) \\
&:= (((6 + 6)/6)^6) + (6 \times (6 \times (6 \times 66) - 6)) \\
&:= ((7 \times 7) - (7/7 + 7)) \times ((7 \times 7 \times 7) + 7/7) \\
&:= 8 + (((8 + 8) \times (888 - 8)) + 8) + 8 \\
&:= (9/9 + (9 \times 9)) \times (((9 \times (9 + 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14105 &:= ((1 + (1 + (11^{1+1})))^{1+1}) - ((1 + 1)^{11-1}) \\
&:= 2 + (((222/2 - 2)^2) + 2222) \\
&:= (((3 + 3)^3) + 3/3) \times (((3/3 + 3)^3) + 3/3) \\
&:= (4/4 + 4) \times (((4^4 \times 44) + 4)/4) + 4 \\
&:= 5 + (5 \times (5^5 - ((5 \times (55 + 5)) + 5))) \\
&:= (66 - 6/6) \times ((6 \times 6 \times 6) + 6/6) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - 7 \\
&:= 8 + ((888/8) \times ((8 \times (8 + 8)) - 8/8)) \\
&:= (99/9) + (9 \times ((9 \times (9 \times (9 + 9))) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14106 &:= 1111 + (((1 + (1 + (1 + 111)))^{1+1}) - 1) \\
&:= (2 \times (((2 \times (2 \times 22 - 2))^2) - 2)) - 2 \\
&:= ((3 \times 3 + 33) \times (333 + 3)) - (3 + 3) \\
&:= 4 + ((44/4) \times (((4 + 4)/4) + (4 \times 4^4)) + 4^4) \\
&:= 5 + ((5 \times (55 \times 55)) - ((5 - 5/5)^5)) \\
&:= 66 + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= 7/7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - 7 \\
&:= 8 + (((8 - 888)/8) + ((8 + 8) \times 888)) \\
&:= 9 + ((999/9) \times (((9/9 + 99) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14107 &:= 1111 + ((1 + (1 + (1 + 111)))^{1+1}) \\
&:= (2 \times (((2 \times (2 \times 22 - 2))^2) - 2)) - 2/2 \\
&:= 3 + (((3^3 - 3)^3) + ((3/3 + 3)^3)) + ((3 + 3)^3) \\
&:= (44/4) + (((44 - 4)/4)^4) + ((4 + 4)^4) \\
&:= (((5 + 5)/5) + 5)^5 + ((5 + 5) \times (5 - (5 \times 5))) \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) - 6))) + 6/6) \\
&:= ((7 + 7)/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - 7 \\
&:= 8 + (((8 + 8) \times (888 - 8)) + (88/8)) + 8 \\
&:= (9 \times (9 \times ((9 \times (9 + 9)) + 9))) + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14108 &:= 1 + (1111 + ((1 + (1 + (1 + 111)))^{1+1})) \\
&:= 2 \times (((2 \times (2 \times 22 - 2))^2) - 2) \\
&:= (3 \times (3 \times 333)) + (33333/3) \\
&:= ((4 + 4) \times ((4 \times (444 - 4)) + 4)) - 4 \\
&:= 5 + (((5 - 5/5) + 5) \times (((5 \times 5^5) - 5)/(5 + 5) + 5)) \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) - 6))) + ((6 + 6)/6)) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - (77/7) \\
&:= 8 + (((88 + 8)/8) + 8) \times ((8 \times 88) + 8/8) \\
&:= (9 \times ((9 + 9) \times (9 + 9)) + 9) + (99999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14109 &:= 1 + (1 + (1111 + ((1 + (1 + (1 + 111)))^{1+1}))) \\
&:= 2/2 + (2 \times (((2 \times (2 \times 22 - 2))^2) - 2)) \\
&:= ((3 \times 3 + 33) \times (333 + 3)) - 3 \\
&:= ((44/4)^4) + ((44 \times (4 - 4 \times 4)) - 4) \\
&:= (5 \times (5 \times ((555 + 5) + 5))) - (55/5 + 5) \\
&:= (6 \times ((6 \times (6 \times 66) - 6)) - (666/6)) \\
&:= 7 + (((77/7)^{77/7-7}) - (7 \times 77)) \\
&:= ((8 + 8) \times 888) - ((88/8) + 88) \\
&:= 999 + ((9 \times (9 \times (9 \times (9 + 9)))) - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14110 &:= (((((1 + 1 + 11)^{1+1}) - 1)^{1+1})/(1 + 1)) - (1 + 1) \\
&:= (2 \times ((2 \times (2 \times 22 - 2))^2)) - 2 \\
&:= 3/3 + (((3 \times 3 + 33) \times (333 + 3)) - 3) \\
&:= (4/4 + 4) \times (((4^4 \times 44) + 4)/4) + 4 \\
&:= 5 + ((5 \times (5^5 - ((5 \times (55 + 5)) + 5))) + 5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) - 6))) + (((6 + 6)/6)^6)) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - ((7 + 7)/7) \\
&:= ((8 - 88)/8) + (((8 + 8) \times 888) - 88) \\
&:= 999 + ((9 \times (9 \times (9 \times (9 + 9)))) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14111 &:= (((((1+1+11)^{1+1}) - 1)^{1+1}) / (1+1)) - 1 \\
&:= (2 \times ((2 \times (2 \times 22 - 2))^2)) - 2/2 \\
&:= ((3 \times 3 + 33) \times (333 + 3)) - 3/3 \\
&:= ((4+4) \times ((4 \times (444 - 4)) + 4)) - 4/4 \\
&:= (555/5) + (5 \times (5 \times (555 + 5))) \\
&:= 6 + ((66 - 6/6) \times ((6 \times 6 \times 6) + 6/6)) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - 7/7 \\
&:= ((8+8) \times 888) - ((8/8 + 88) + 8) \\
&:= 99 + ((9 \times (9 \times (9 \times (9 + 9)))) + 99) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14112 &:= (((((1+1+11)^{1+1}) - 1)^{1+1}) / (1+1)) \\
&:= 2 \times ((2 \times (2 \times 22 - 2))^2) \\
&:= (3 \times 3 + 33) \times (333 + 3) \\
&:= (4+4) \times ((4 \times (444 - 4)) + 4) \\
&:= (5 \times 5 \times 5 + 5/5) \times ((555 + 5)/5) \\
&:= 6 \times (((6 \times (6 \times 66) - 6)) + 6) + 6 \\
&:= ((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7) \\
&:= ((8+8) \times 888) - (88 + 8) \\
&:= 99 + (9 \times ((9 \times (9 \times (9 + 9)))) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14113 &:= 1 + (((((1+1+11)^{1+1}) - 1)^{1+1}) / (1+1)) \\
&:= 2/2 + (2 \times ((2 \times (2 \times 22 - 2))^2)) \\
&:= 3/3 + ((3 \times 3 + 33) \times (333 + 3)) \\
&:= ((44/4)^4) + (44 \times (4 - 4 \times 4)) \\
&:= (5 \times 5^5) + ((5 - (5 \times (55 \times 55))) / (5 + 5)) \\
&:= ((6 - 6/6)^6) - (6 \times (6 \times (6 \times 6 + 6))) \\
&:= 7/7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) \\
&:= 8/8 + (((8+8) \times 888) - (88 + 8)) \\
&:= 9 + ((9/9 + (9 \times 9)) \times (((9 \times (9 + 9)) + 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14114 &:= 1 + (1 + (((((1+1+11)^{1+1}) - 1)^{1+1}) / (1+1))) \\
&:= 2 + (2 \times ((2 \times (2 \times 22 - 2))^2)) \\
&:= 3 + (((3 \times 3 + 33) \times (333 + 3)) - 3/3) \\
&:= 4/4 + ((44 \times (4 - 4 \times 4)) + ((44/4)^4)) \\
&:= (5 \times (5 \times ((555 + 5) + 5))) - (55/5) \\
&:= 6/6 + (((6 - 6/6)^6) - (6 \times (6 \times (6 \times 6 + 6)))) \\
&:= ((7+7)/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) \\
&:= ((8+8)/8) + (((8+8) \times 888) - (88 + 8)) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9)))) + 99 + 9) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14115 &:= 1 + (1 + (1 + (((((1+1+11)^{1+1}) - 1)^{1+1}) / (1+1)))) \\
&:= 2 + ((2 \times ((2 \times (2 \times 22 - 2))^2)) + 2/2) \\
&:= 3 + ((3 \times 3 + 33) \times (333 + 3)) \\
&:= 4 + (((4+4) \times ((4 \times (444 - 4)) + 4)) - 4/4) \\
&:= (5 \times (5 \times ((555 + 5) + 5))) - (5 + 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) - (666/6)) \\
&:= ((7+7+7)/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) \\
&:= 8 + (((((8+8) \times (888 - 8)) + (88/8)) + 8) + 8) \\
&:= (999/9) + ((9 \times (9 \times (9 \times (9 + 9)))) + 99) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14116 &:= 1 + (1 + (1 + (1 + (((((1+1+11)^{1+1}) - 1)^{1+1}) / (1+1)))))) \\
&:= 2 \times (((2 \times (2 \times 22 - 2))^2) + 2) \\
&:= 3 + (((3 \times 3 + 33) \times (333 + 3)) + 3/3) \\
&:= 4 + (((4+4) \times ((4 \times (444 - 4)) + 4)) + 4) \\
&:= 5 + ((5 \times (5 \times (555 + 5))) + (555/5)) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) - 6))) + (((6 + 6)/6)^6)) + 6) \\
&:= (77/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - 7 \\
&:= ((8+8) \times 888) - ((8 \times 8 / (8 + 8)) + 88) \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9)))) + 99) + (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14117 &:= ((1+111)^{1+1}) + (11 \times (11 \times (1+1+11))) \\
&:= (((((22/2)^2) - 2)^2) - (2 \times 22)) \\
&:= ((3^3 - 3)^3) + ((3 \times 3 \times 33) - (3/3 + 3)) \\
&:= 4 + ((44 \times (4 - 4 \times 4)) + ((44/4)^4)) \\
&:= 5 + ((5 \times 5 \times 5 + 5/5) \times ((555 + 5)/5)) \\
&:= 6 + (((66 - 6/6) \times ((6 \times 6 \times 6) + 6/6)) + 6) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - ((7+7)/7) \\
&:= 8 + (((8+8) \times 888) - ((88/8) + 88)) \\
&:= 9 + ((9 \times ((9 + 9) \times (9 + 9)) + 9) + (99999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14118 &:= 11 + (1111 + ((1 + (1 + (1 + 111)))^{1+1})) \\
&:= 2 + (2 \times (((2 \times (2 \times 22 - 2))^2) + 2)) \\
&:= ((3^3 - 3)^3) + ((3 \times 3 \times 33) - 3) \\
&:= ((44/4)^4) - (((44/4) + 4^4) + 4^4) \\
&:= ((5 - (5 + 5)/5)^5) + (5 \times 5 \times 555) \\
&:= 6 + (6 \times (((6 \times (6 \times 66) - 6)) + 6) + 6)) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - 7/7 \\
&:= ((8+8) \times 888) - (((8+8)/8) + 88) \\
&:= 999 + ((9 \times (9 \times (9 \times (9 + 9)))) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14119 &:= 1 + (11 + (1111 + ((1 + (1 + (1 + 111)))^{1+1}))) \\
&:= 2 + ((((((22/2)^2) - 2)^2) - (2 \times 22)) \\
&:= 3/3 + (((((3^3 - 3)^3) - 3) + (3 \times 3 \times 33)) \\
&:= 44 + ((44/4 + 4) \times ((4^4 \times 44 - 4)/4)) \\
&:= (5 \times (5 \times ((555 + 5) + 5))) - (5/5 + 5) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times (6 \times (6 \times 6 + 6)))) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) \\
&:= ((8+8) \times 888) - (8/8 + 88) \\
&:= 999 + ((9 \times (9 \times (9 \times (9 + 9)))) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14120 &:= (11 - 1) \times ((11^{1+1+1}) + ((11 - 1 - 1)^{1+1})) \\
&:= 2 \times (((2 \times (2 \times 22 - 2))^2) + 2) + 2 \\
&:= ((3^3 - 3)^3) + ((3 \times 3 \times 33) - 3/3) \\
&:= (4+4) \times ((4 \times 444) - 44/4) \\
&:= (5 \times (5 \times ((555 + 5) + 5))) - 5 \\
&:= (6 \times ((6 \times (6 \times 66)) - (6 + 6))) - (((6 + 6)/6)^6) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) + 7/7 \\
&:= ((8+8) \times 888) - 88 \\
&:= 999 + ((9 \times (9 \times (9 \times (9 + 9)))) - 9/9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 14121 &:= (11 - 1 - 1) \times (1 + ((1 + 111) \times (1 + 1 + 1 + 11))) \\ &:= (2 \times (2 - 22)) + (((22/2)^2) - 2)^2 \\ &:= ((3^3 - 3)^3) + (3 \times 3 \times 33) \\ &:= ((44/4)^4) - (((4^4 + 4^4) + 4) + 4) \\ &:= 5/5 + ((5 \times (5 \times ((555 + 5) + 5))) - 5) \\ &:= 6 + (((6 \times ((6 \times (6 \times 66)) - 6)) - (666/6)) + 6) \\ &:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) + (7 + 7)/7 \\ &:= 8/8 + (((8 + 8) \times 888) - 88) \\ &:= 999 + (9 \times (9 \times (9 \times (9 + 9)))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14122 &:= 11 + (((((1 + 1 + 11)^{1+1}) - 1)^{1+1})/(1 + 1)) - 1) \\ &:= 2 + (2 \times (((2 \times (2 \times 22 - 2))^2) + 2) + 2) \\ &:= 3/3 + (((3^3 - 3)^3) + (3 \times 3 \times 33)) \\ &:= ((44/4)^4) + ((4 - ((4 + 4) \times (4^4 + 4)))/4) \\ &:= ((5^5 - 55)/5) \times ((5 \times 5) - ((5 + 5)/5)) \\ &:= (66 \times ((6 \times 6 \times 6) - ((6 + 6)/6))) - ((6 + 6)/6) \\ &:= ((77 - 7)/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) \\ &:= ((8 + 8)/8) + (((8 + 8) \times 888) - 88) \\ &:= 9/9 + ((9 \times (9 \times (9 \times (9 + 9)))) + 999) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14123 &:= 11 + (((((1 + 1 + 11)^{1+1}) - 1)^{1+1})/(1 + 1)) \\ &:= (22/2) + (2 \times ((2 \times (2 \times 22 - 2))^2)) \\ &:= 3 + (((3 \times 3 \times 33) - 3/3) + ((3^3 - 3)^3)) \\ &:= (44 \times (((4^4 + 4)/4) + 4^4)) - 4/4 \\ &:= (5 \times (5 \times ((555 + 5) + 5))) - ((5 + 5)/5) \\ &:= (66 \times ((6 \times 6 \times 6) - ((6 + 6)/6))) - 6/6 \\ &:= (77/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) \\ &:= 88/8 + (((8 + 8) \times 888) - (88 + 8)) \\ &:= ((9 + 9)/9) + ((9 \times (9 \times (9 \times (9 + 9)))) + 999) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14124 &:= 11 \times ((1 + 11) \times (111 - (1 + 1 + 1 + 1))) \\ &:= 2 \times (((2 \times (2 \times 22 - 2))^2) + 2) + 2) \\ &:= 3 + (((3^3 - 3)^3) + (3 \times 3 \times 33)) \\ &:= 44 \times (((4^4 + 4)/4) + 4^4) \\ &:= (5 \times (5 \times ((555 + 5) + 5))) - 5/5 \\ &:= 66 \times ((6 \times 6 \times 6) - ((6 + 6)/6)) \\ &:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7 - 7)) + (7 + 7)/7) \\ &:= (8 \times 8/(8 + 8)) + (((8 + 8) \times 888) - 88) \\ &:= (999/9) + (9 \times ((9 \times (9 \times (9 + 9)))) + 99) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14125 &:= 1 + (11 \times ((1 + 11) \times (111 - (1 + 1 + 1 + 1)))) \\ &:= (((22/2)^2) - 2)^2 - ((2 + 2 + 2)^2) \\ &:= 3 + (((3^3 - 3)^3) + (3 \times 3 \times 33)) + 3/3 \\ &:= ((44/4)^4) - ((4^4 + 4^4) + 4) \\ &:= 5 \times (5 \times ((555 + 5) + 5)) \\ &:= 6/6 + (66 \times ((6 \times 6 \times 6) - ((6 + 6)/6))) \\ &:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - 7/7 + 7 \\ &:= ((8 + 8) \times 888) - (((88/8) + (8 \times 8)) + 8) \\ &:= ((999 + 9)/9) + (9 \times ((9 \times (9 \times (9 + 9)))) + 99) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14126 &:= 1 + (1 + (11 \times ((1 + 11) \times (111 - (1 + 1 + 1 + 1)))))) \\ &:= (2 \times (2 \times (2 \times (((2 \times 22 - 2)^2) + 2)))) - 2 \\ &:= (33/3 + 3) \times ((3 \times (333 + 3)) + 3/3) \\ &:= 4/4 + (((44/4)^4) - ((4^4 + 4^4) + 4)) \\ &:= 5/5 + (5 \times (5 \times ((555 + 5) + 5))) \\ &:= ((6 + 6)/6) + (66 \times ((6 \times 6 \times 6) - ((6 + 6)/6))) \\ &:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) + 7 \\ &:= 8 + (((8 + 8) \times 888) - (((8 + 8)/8) + 88)) \\ &:= (((9 \times 9 + 9)/(9 + 9)) + 9) \times ((999 + 9/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14127 &:= ((1 + 111)^{1+1}) + ((11 \times ((1 + 11)^{1+1}) - 1) \\ &:= 2 + (((22/2)^2) - 2)^2 - ((2 + 2 + 2)^2) \\ &:= 3 + (((3^3 - 3)^3) + (3 \times 3 \times 33)) + 3 \\ &:= (4 \times ((4 + 4) \times 444)) - ((4 - 4/4)^4) \\ &:= ((5 + 5)/5) + (5 \times (5 \times ((555 + 5) + 5))) \\ &:= (6 \times 6/(6 + 6)) + (66 \times ((6 \times 6 \times 6) - ((6 + 6)/6))) \\ &:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) + 7/7 + 7 \\ &:= 8 + (((8 + 8) \times 888) - (8/8 + 88)) \\ &:= ((9 - 9/9) + 9) \times (((999/9) - 9) + (9 \times (9 \times 9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14128 &:= ((1 + 111)^{1+1}) + (11 \times ((1 + 11)^{1+1})) \\ &:= 2 \times (2 \times (2 \times (((2 \times 22 - 2)^2) + 2))) \\ &:= 3 + (((3^3 - 3)^3) + (3 \times 3 \times 33)) + 3/3 + 3 \\ &:= 4 + (44 \times (((4^4 + 4)/4) + 4^4)) \\ &:= 5 + ((5 \times (5 \times ((555 + 5) + 5))) - ((5 + 5)/5)) \\ &:= (6 \times (6 \times (6 \times 66))) - (((6 + 6)/6)^{6/6+6}) \\ &:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) + ((7 + 7)/7) + 7 \\ &:= 8 + (((8 + 8) \times 888) - 88) \\ &:= ((9 - ((9 + 9)/9)) + 9) \times (((9 \times 99) - 9) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14129 &:= (11^{1+1+1+1}) - ((1 + 1)^{11-1-1}) \\ &:= ((22/2)^{2+2}) - (2^{(2/2+2)^2}) \\ &:= 333 + (((3^3 - 3)^3) - (3^3 + 3/3)) \\ &:= ((44/4)^4) - (4^4 + 4^4) \\ &:= 5 + ((5 \times (5 \times ((555 + 5) + 5))) - 5/5) \\ &:= 6 + ((66 \times ((6 \times 6 \times 6) - ((6 + 6)/6))) - 6/6) \\ &:= 7 \times 7 + (((7 + 7)/7)^7) \times ((777 - 7)/7) \\ &:= 8 + (((8 + 8) \times 888) - 88) + 8/8 \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - 9/9) + 999) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14130 &:= 1 + ((11^{1+1+1+1}) - ((1 + 1)^{11-1-1})) \\ &:= 2 + (2 \times (2 \times (2 \times (((2 \times 22 - 2)^2) + 2)))) \\ &:= 333 + (((3^3 - 3)^3) - 3^3) \\ &:= 4/4 + (((44/4)^4) - (4^4 + 4^4)) \\ &:= 5 + (5 \times (5 \times ((555 + 5) + 5))) \\ &:= 6 + (66 \times ((6 \times 6 \times 6) - ((6 + 6)/6))) \\ &:= (77/7 + 7) \times ((777 + 7/7) + 7) \\ &:= 8 + (((8 + 8) \times 888) - 88) + ((8 + 8)/8) \\ &:= 9 + ((9 \times (9 \times (9 \times (9 + 9)))) + 999) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14131 &:= (1 + 1 + 11) \times (1111 - ((1 + 1) \times (1 + 11))) \\
&:= 2 + (((22/2)^{2+2}) - (2^{(2/2+2)^2})) \\
&:= 3/3 + (((3^3 - 3^3)^3) - 3^3) + 333 \\
&:= ((4/4 + 4^4) \times ((44/4) + 44)) - 4 \\
&:= 5 + ((5 \times (5 \times ((555 + 5) + 5))) + 5/5) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - ((6 + 6)/6))) + 6/6) \\
&:= (((7 + 7)/7)^7) \times (777/7) - 77 \\
&:= 88/8 + (((8 + 8) \times 888) - 88) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + 999) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14132 &:= 1 + ((1 + 1 + 11) \times (1111 - ((1 + 1) \times (1 + 11)))) \\
&:= 2 \times ((2 \times (2 \times ((2 \times 22 - 2)^2) + 2)) + 2) \\
&:= (33/3) + (((3^3 - 3^3)^3) + (3 \times 3 \times 33)) \\
&:= ((4 + 4) \times ((4 \times 444) - 4)) - 44 \\
&:= 5 + ((5 \times (5 \times ((555 + 5) + 5))) + ((5 + 5)/5)) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - ((6 + 6)/6))) + ((6 + 6)/6)) \\
&:= 7 + (((((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - 7/7) + 7) + 7) \\
&:= ((88 + 8)/8) + (((8 + 8) \times 888) - 88) \\
&:= (99/9) + ((9 \times (9 \times (9 \times (9 + 9)))) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14133 &:= (11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - 11) - (1 + 1) \\
&:= 22 + ((2 \times ((2 \times (2 \times 22 - 2)^2)) - 2/2) \\
&:= 3 + (((3^3 - 3^3)^3) - 3^3) + 333 \\
&:= 4 + (((44/4)^4) - (4^4 + 4^4)) \\
&:= 5 + (((5 \times (5 \times ((555 + 5) + 5))) - ((5 + 5)/5)) + 5) \\
&:= (6 \times (6 \times (6 \times 66))) - (((666/6) + 6) + 6) \\
&:= 7 + (((((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) + 7) + 7) \\
&:= ((8 + 8) \times 888) - ((88/8) + (8 \times 8)) \\
&:= 9 + ((9 \times (9 \times (9 \times (9 + 9)))) + 999) + (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14134 &:= (11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - 11) - 1 \\
&:= 22 + (2 \times ((2 \times (2 \times 22 - 2)^2)) \\
&:= ((3^3 - 3^3)^3) + (((3/3 + 3 + 3)^3) - 33) \\
&:= 4 + (((44/4)^4) - (4^4 + 4^4)) + 4/4 \\
&:= 5 + (((5 \times (5 \times ((555 + 5) + 5))) - 5/5) + 5) \\
&:= (6 \times (6 \times (6 \times 66))) - ((666 + 66)/6) \\
&:= 7 + (((((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) + 7/7) + 7) + 7) \\
&:= ((8 - 88)/8) + (((8 + 8) \times 888) - (8 \times 8)) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + (9999/9 - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14135 &:= 11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - 11 \\
&:= ((22/2)^{2+2}) - (22^2 + 22) \\
&:= (33/3) \times (((3 + 3)^{3/3+3}) - 33/3) \\
&:= (4/4 + 4^4) \times ((44/4) + 44) \\
&:= 5 + ((5 \times (5 \times ((555 + 5) + 5))) + 5) \\
&:= (66/6) \times ((6 \times 6 \times 6 \times 6) - (66/6)) \\
&:= 77/7 \times (((7 + 7) \times ((77 + 7) + 7)) + (77/7)) \\
&:= ((8 + 8) \times 888) - ((8/8 + (8 \times 8)) + 8) \\
&:= (99/9) \times (((9 + 9) \times ((9 \times 9) - 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14136 &:= 1 + (11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - 11) \\
&:= 2 + ((2 \times ((2 \times (2 \times 22 - 2)^2)) + 22) \\
&:= 3 + (((3^3 - 3^3)^3) - 3^3) + 333 + 3) \\
&:= 4 + (((4 + 4) \times ((4 \times 444) - 4)) - 44) \\
&:= (55/5) + (5 \times (5 \times ((555 + 5) + 5))) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - ((6 + 6)/6))) + 6) \\
&:= 7 + (((((7 + 7)/7)^7) \times ((777 - 7)/7)) + (7 \times 7)) \\
&:= ((8 + 8) \times 888) - ((8 \times 8) + 8) \\
&:= ((99 + 9)/9) \times (((99 \times (99 + 9)) - 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14137 &:= ((1 + 1)^{11}) + (((111 - 1)^{1+1}) - 11) \\
&:= (((22/2)^2) - 2)^2 - (22 + 2) \\
&:= 3 + (((3/3 + 3 + 3)^3) - 33) + ((3^3 - 3^3)^3) \\
&:= 4 + (((44/4)^4) - (4^4 + 4^4)) + 4 \\
&:= ((55 + 5)/5) + (5 \times (5 \times ((555 + 5) + 5))) \\
&:= (66 + 6/6) \times ((6 \times 6 \times 6 - 6) + 6/6) \\
&:= 7 + ((77/7 + 7) \times ((777 + 7/7) + 7)) \\
&:= 8/8 + (((8 + 8) \times 888) - ((8 \times 8) + 8)) \\
&:= 9 + (((9 - ((9 + 9)/9)) + 9) \times (((9 \times 99) - 9) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14138 &:= 1 + (((1 + 1)^{11}) + (((111 - 1)^{1+1}) - 11)) \\
&:= 22 + (2 \times ((2 \times (2 \times 22 - 2)^2) + 2)) \\
&:= 3 + ((33/3) \times (((3 + 3)^{3/3+3}) - 33/3)) \\
&:= ((44/4)^4) + (((4 + 4) \times (4 - 4^4)) + 4)/4 \\
&:= (5 \times (5^5 - (5 \times 55))) - ((555 + 5)/5) \\
&:= (6 \times (6 \times (6 \times 66))) - (((666 + 6)/6) + 6) \\
&:= 7 + (((((7 + 7)/7)^7) \times (777/7)) - 77) \\
&:= ((8 + 8)/8) + (((8 + 8) \times 888) - ((8 \times 8) + 8)) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) - 9/9) + 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14139 &:= (((11^{1+1}) - (1 + 1))^{1+1}) - (11 + 11) \\
&:= (((22/2)^2) - 2)^2 - 22 \\
&:= 3 \times ((3 \times (((33/3)^3) - 3)) + (3^{3+3})) \\
&:= 4 + ((4/4 + 4^4) \times ((44/4) + 44)) \\
&:= (5 \times (5^5 - (5 \times 55))) - (555/5) \\
&:= (6 \times (6 \times (6 \times 66))) - ((666/6) + 6) \\
&:= 77 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) - 7/7) \\
&:= 8 + (((8 + 8) \times 888) - 88) + (88/8) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + 999) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14140 &:= 1 + (((11^{1+1}) - (1 + 1))^{1+1}) - (11 + 11) \\
&:= 2 \times (((2^{2+2}) \times (2 \times 222 - 2)) - 2) \\
&:= ((3^3 - 3^3)^3) + (((3/3 + 3 + 3)^3) - 3^3) \\
&:= (4 \times (4 \times ((44 \times (4 \times 4 + 4)) + 4))) - 4 \\
&:= (5 \times ((5 \times 555) + 55)) - (5 + 5) \\
&:= (((6 + 6)/6)^6) + (6 \times ((6 \times ((6 \times 66) - 6)) + 6)) \\
&:= 77 + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7))) \\
&:= ((8 + 8) \times 888) - ((8 \times 8)/(8 + 8)) + (8 \times 8) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + 999) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14141 &:= (((11^{1+1}) - (1+1))^{1+1}) - ((1+1) \times (11-1)) \\
&:= 2 + (((((22/2)^2) - 2)^2) - 22) \\
&:= 333 + (((3^3 - 3)^3) - 3^3) + (33/3) \\
&:= 4 + (((((44/4)^4) - (4^4 + 4^4)) + 4) + 4) \\
&:= 5 + ((5 \times (5 \times ((555 + 5) + 5))) + (55/5)) \\
&:= 6 + ((66/6) \times ((6 \times 6 \times 6 \times 6) - (66/6))) \\
&:= 7/7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7) - 7))) + 77) \\
&:= 8 + (((8+8) \times 888) - ((88/8) + (8 \times 8))) \\
&:= ((9 \times 9) - (9+9)/9) \times (((9 \times 9) - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14142 &:= 1 + (((11^{1+1}) - (1+1))^{1+1}) - ((1+1) \times (11-1)) \\
&:= (2 \times ((2^{2+2}) \times (2 \times 222 - 2))) - 2 \\
&:= 3 + (((3 \times 3 + 33) \times (333 + 3)) + 3^3) \\
&:= (((4+4)/4) + 4) \times (((4 - 4/4) + 4)^4) - 44 \\
&:= 5 + ((5 \times (5 \times ((555 + 5) + 5))) + ((55 + 5)/5)) \\
&:= 66 + (6 \times ((6 \times ((6 \times 66) - 6)) + 6)) \\
&:= 77 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7) - 7))) + (7 + 7)/7) \\
&:= ((8+8) \times 888) - (((8+8)/8) + (8 \times 8)) \\
&:= 9 + (((9 \times (9 \times (9 \times (9+9))) + 99)) + (999/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14143 &:= ((1+1+11) \times (((11 \times (1+1+1))^{1+1}) - 1)) - 1 \\
&:= 2 + (((((22/2)^2) - 2)^2) - 22) + 2 \\
&:= 333 + (((3^3 - 3)^3) - (33/3 + 3)) \\
&:= (4 \times ((4+4) \times 444)) - ((4^4 + 4)/4) \\
&:= ((5 - (5+5)/5)^5) + (5 \times (5 \times 555 + 5)) \\
&:= 6 + ((66 + 6/6) \times ((6 \times 6 \times 6 - 6) + 6/6)) \\
&:= 7 \times 7 + ((77/7 + 7) \times ((777 - 7/7) + 7)) \\
&:= ((8+8) \times 888) - (8/8 + (8 \times 8)) \\
&:= (((99/9) + 99) + 9)^{(9+9)/9} - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14144 &:= (1+1+11) \times (((11 \times (1+1+1))^{1+1}) - 1) \\
&:= 2 \times ((2^{2+2}) \times (2 \times 222 - 2)) \\
&:= ((3/3 + 3)^3) \times (((3+3)^3) - 3/3) + 3 + 3 \\
&:= 4 \times (4 \times ((44 \times (4 \times 4 + 4)) + 4)) \\
&:= ((5 \times 5) + 5/5) \times (555 - (55/5)) \\
&:= (((6+6)/6)^6) \times (((6 \times 6 \times 6) - 6/6) + 6) \\
&:= 7 + (((77/7 + 7) \times ((777 + 7/7) + 7)) + 7) \\
&:= ((8+8) \times 888) - (8 \times 8) \\
&:= ((99 + 9 + 9)/9) \times (((99 \times 99) - 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14145 &:= 1 + ((1+1+11) \times (((11 \times (1+1+1))^{1+1}) - 1)) \\
&:= (((((22/2)^2) - 2)^2) - (2^{2+2})) \\
&:= 33 + ((3 \times 3 + 33) \times (333 + 3)) \\
&:= 4 \times 4 + (((44/4)^4) - (4^4 + 4^4)) \\
&:= (5 \times ((5 \times 555) + 55)) - 5 \\
&:= (6 \times (6 \times (6 \times 66))) - (666/6) \\
&:= (77 - (7/7 + 7)) \times (((7+7)/7)^7) + 77 \\
&:= 8/8 + (((8+8) \times 888) - (8 \times 8)) \\
&:= ((9+9) \times (99 \times (9 - 9/9))) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14146 &:= ((1+1)^{11}) + (((111-1)^{1+1}) - (1+1)) \\
&:= 2 + (2 \times ((2^{2+2}) \times (2 \times 222 - 2))) \\
&:= 333 + (((3^3 - 3)^3) - 33/3) \\
&:= ((4+4)/4) + (4 \times (4 \times ((44 \times (4 \times 4 + 4)) + 4))) \\
&:= 5/5 + ((5 \times ((5 \times 555) + 55)) - 5) \\
&:= ((6 - 666)/6) + (6 \times (6 \times (6 \times 66))) \\
&:= 7 + (((7 \times (7 \times ((7 \times ((7 \times 7) - 7) - 7))) - 7/7) + 77) \\
&:= ((8+8)/8) + (((8+8) \times 888) - (8 \times 8)) \\
&:= (99/9) \times (((9+9) \times (9 \times 9) - 9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14147 &:= ((1+1)^{11}) + (((111-1)^{1+1}) - 1) \\
&:= 2 + (((((22/2)^2) - 2)^2) - (2^{2+2})) \\
&:= 333 + (((3 - 33)/3) + ((3^3 - 3)^3)) \\
&:= 4 + ((4 \times ((4+4) \times 444)) - ((4^4 + 4)/4)) \\
&:= ((5+5)/5) + ((5 \times ((5 \times 555) + 55)) - 5) \\
&:= (6 \times ((6 \times (6 \times 66)) - (6 + 6 + 6))) - 6/6 \\
&:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7) - 7))) + 77) \\
&:= 88/8 + (((8+8) \times 888) - ((8 \times 8) + 8)) \\
&:= (99 \times ((9 \times (9+9) - 9)) - (999 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14148 &:= ((1+1)^{11}) + ((111-1)^{1+1}) \\
&:= 2 \times (((2^{2+2}) \times (2 \times 222 - 2)) + 2) \\
&:= 333 + (((3^3 - 3)^3) - 3 \times 3) \\
&:= 4 + (4 \times (4 \times ((44 \times (4 \times 4 + 4)) + 4))) \\
&:= (5 \times ((5 \times 555) + 55)) - ((5+5)/5) \\
&:= 6 \times ((6 \times (6 \times 66)) - (6 + 6 + 6)) \\
&:= (7 - 7/7) \times (((7 \times (7 \times 7 - 7) - 7/7) + 7) \\
&:= (8 \times 8/(8+8)) + (((8+8) \times 888) - (8 \times 8)) \\
&:= (99 \times ((9 \times (9+9) - 9)) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14149 &:= 1 + (((1+1)^{11}) + ((111-1)^{1+1})) \\
&:= (((((22/2)^2) - 2)^2) - (2 \times (2+2+2))) \\
&:= 3 + (((3^3 - 3)^3) - 33/3) + 333 \\
&:= ((44/4)^4) - ((444 + 44) + 4) \\
&:= (5 \times ((5 \times 555) + 55)) - 5/5 \\
&:= 6/6 + (6 \times ((6 \times (6 \times 66)) - (6 + 6 + 6))) \\
&:= (7 \times (((7+7+7)/7)^7) - 7) - (7777/7) \\
&:= 8 + (((8+8) \times 888) - ((88/8) + (8 \times 8))) + 8 \\
&:= 9/9 + ((99 \times ((9 \times (9+9) - 9)) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14150 &:= (((11^{1+1}) - (1+1))^{1+1}) - 11 \\
&:= (((((22/2)^2) - 2)^2) - (22/2)) \\
&:= 333 + (((3^3 - 3)^3) - (3/3 + 3 + 3)) \\
&:= (((4+4)/4) + 4) \times (((4 - 4/4) + 4)^4) - 4^4 \\
&:= 5 \times ((5 \times 555) + 55) \\
&:= 6 + (((6+6)/6)^6) \times (((6 \times 6 \times 6) - 6/6) + 6) \\
&:= (7/7 + (7 \times 7)) \times ((7 \times ((7 \times 7) - 7) - (77/7)) \\
&:= 8 + (((8+8) \times 888) - (((8+8)/8) + (8 \times 8))) \\
&:= 9 + (((9 \times 9) - ((9+9)/9)) \times (((9 \times 9) - 9/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14151 &:= 1 + (((11^{1+1}) - (1+1))^{1+1}) - 11) \\
&:= ((2-22)/2) + (((22/2)^2) - 2^2) \\
&:= 333 + (((3^3 - 3^3) - (3+3)) \\
&:= ((4^4 - 44)/4) \times ((44/4) + 4^4) \\
&:= 5/5 + (5 \times ((5 \times 555) + 55)) \\
&:= 6 + ((6 \times (6 \times (6 \times 66))) - (666/6)) \\
&:= (7 \times (7 - 77)) + (((77/7)^{77/7-7}) \\
&:= 8 + (((8+8) \times 888) - (8/8 + (8 \times 8))) \\
&:= (((9 \times 9) - 9/9) + 9) \times ((9 \times (9+9)) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14152 &:= 1 + (1 + (((11^{1+1}) - (1+1))^{1+1}) - 11)) \\
&:= 2 + (((((22/2)^2) - 2^2) - (22/2)) \\
&:= 3/3 + (((3^3 - 3^3) - (3+3)) + 333) \\
&:= 4 + ((4 \times (4 \times ((44 \times (4 \times 4 + 4)) + 4))) + 4) \\
&:= ((5+5)/5) + (5 \times ((5 \times 555) + 55)) \\
&:= 6 + (((6 - 666)/6) + (6 \times (6 \times (6 \times 66)))) \\
&:= (((((7+7)/7)^7) \times (777/7)) - (7 \times 7 + 7) \\
&:= 8 + (((8+8) \times 888) - (8 \times 8)) \\
&:= (((((99/9) + 99) + 9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14153 &:= 1 + (1 + (1 + (((11^{1+1}) - (1+1))^{1+1}) - 11))) \\
&:= (((((22/2)^2) - 2^2) - (2 \times (2+2)) \\
&:= 333 + (((3^3 - 3^3) - (3/3+3)) \\
&:= ((44/4)^4) - (444+44) \\
&:= 5 + ((5 \times ((5 \times 555) + 55)) - ((5+5)/5)) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - (66+6/6) \\
&:= (((((7 \times 7) - 7) + 77)^{(7+7)/7}) - (7/7+7) \\
&:= (((888/8) + 8)^{(8+8)/8}) - 8 \\
&:= 9 + (((99+9+9)/9) \times (((99 \times 99) - 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14154 &:= (1 + 1 + 1 + 11) \times (11 + ((11 - 1)^{1+1+1})) \\
&:= (2/2 - 22) \times (2 - ((22+2+2)^2)) \\
&:= 333 + (((3^3 - 3^3) - 3) \\
&:= 4/4 + (((44/4)^4) - (444+44)) \\
&:= 5 + ((5 \times ((5 \times 555) + 55)) - 5/5) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - 66 \\
&:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7 - 7)) + 7) \\
&:= 8 + (((8+8) \times 888) - (8 \times 8)) + ((8+8)/8) \\
&:= 9 + (((9+9) \times (99 \times (9 - 9/9))) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14155 &:= (((11^{1+1}) - (1+1))^{1+1}) - ((1+1) \times (1+1+1)) \\
&:= ((22/2)^{2+2}) - (22^2 + 2) \\
&:= 3/3 + (((3^3 - 3^3) - 3) + 333) \\
&:= 4 + (((4^4 - 44)/4) \times ((44/4) + 4^4)) \\
&:= 5 + (5 \times ((5 \times 555) + 55)) \\
&:= 6/6 + ((6 \times ((6 \times (6 \times 66)) - 6)) - 66) \\
&:= 7/7 + ((7 - 7/7) \times ((7 \times (7 \times 7 \times 7 - 7)) + 7)) \\
&:= 88/8 + (((8+8) \times 888) - (8 \times 8)) \\
&:= 9 + (((9+9)/9)^{9/9+9} + (9 \times (9 \times (9 \times (9+9))))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14156 &:= ((1+1+11) \times ((11 \times (1+1+1))^{1+1})) - 1 \\
&:= 2 \times (((2 \times (2 \times 22 - 2))^2) + 22) \\
&:= 333 + (((3^3 - 3^3) - 3/3) \\
&:= ((4 \times 4 + 4) \times ((4 \times 4 \times 44) + 4)) - 4 \\
&:= 5 + ((5 \times ((5 \times 555) + 55)) + 5/5) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - (((6+6)/6)^6) \\
&:= ((7+7)/7) + ((7 - 7/7) \times ((7 \times (7 \times 7 \times 7 - 7)) + 7)) \\
&:= ((88+8)/8) + (((8+8) \times 888) - (8 \times 8)) \\
&:= ((9+9) \times (99 \times (9 - 9/9))) - (9/9+99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14157 &:= (1 + 1 + 11) \times ((11 \times (1 + 1 + 1))^{1+1}) \\
&:= ((22/2)^{2+2}) - 22^2 \\
&:= 333 + ((3^3 - 3^3)^3) \\
&:= ((44/4)^4) - (44 \times (44/4)) \\
&:= 5 + ((5 \times ((5 \times 555) + 55)) + ((5+5)/5)) \\
&:= 6 + (((6 \times (6 \times (6 \times 66))) - (666/6)) + 6) \\
&:= 77 + (((((7+7)/7)^7) \times (777 - 7)/7)) \\
&:= 88 + (((8+8) \times (888 - 8)) - 88/8) \\
&:= 99 \times ((9 \times (9+9)) - ((9/9+9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14158 &:= (((11^{1+1}) - (1+1))^{1+1}) - (1+1+1) \\
&:= (((((22/2)^2) - 2^2) - (2/2+2) \\
&:= 3/3 + (((3^3 - 3^3) + 333) \\
&:= ((44/4)^4) + ((4 - (44 \times 44))/4) \\
&:= 5 + (((5 \times ((5 \times 555) + 55)) - ((5+5)/5) + 5) \\
&:= 6 + (((6 - 666)/6) + (6 \times (6 \times (6 \times 66)))) + 6) \\
&:= 7 + (((77/7)^{77/7-7}) + (7 \times (7 - 77))) \\
&:= 8 + (((8+8) \times 888) - (((8+8)/8) + (8 \times 8))) + 8) \\
&:= 9/9 + (99 \times ((9 \times (9+9)) - ((9/9+9) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14159 &:= (((11^{1+1}) - (1+1))^{1+1}) - (1+1) \\
&:= (((((22/2)^2) - 2^2) - 2) \\
&:= 3 + (((3^3 - 3^3) - 3/3) + 333) \\
&:= ((4 \times 4 + 4) \times ((4 \times 4 \times 44) + 4)) - 4/4 \\
&:= 5 + (((5 \times ((5 \times 555) + 55)) - 5/5) + 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) - (66+6/6)) \\
&:= (((((7+7)/7)^7) \times (777/7)) - (7 \times 7) \\
&:= 8 + (((8+8) \times 888) - (8/8 + (8 \times 8))) + 8) \\
&:= ((9 - 9/9) \times (((9+9) \times 99) - (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14160 &:= (((11^{1+1}) - (1+1))^{1+1}) - 1 \\
&:= (((((22/2)^2) - 2^2) - 2/2) \\
&:= 3 + (((3^3 - 3^3) + 333) \\
&:= (4 \times 4 + 4) \times ((4 \times 4 \times 44) + 4) \\
&:= 5 + ((5 \times ((5 \times 555) + 55)) + 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) - 66) \\
&:= ((7 \times 7) - 7/7) \times ((7 \times ((7 \times 7) - 7)) + 7/7) \\
&:= 8 + (((8+8) \times 888) - (8 \times 8)) + 8) \\
&:= (9 - 9/9) \times (((9+9) \times 99) - ((99+9)/9))
\end{aligned}$$

- ▶ **14161** := $((11^{1+1}) - (1 + 1))^{1+1}$
 := $((22/2)^2 - 2)^2$
 := $3 + (((3^3 - 3)^3) + 333) + 3/3$
 := $((444/4) + 4) + 4^{(4+4)/4}$
 := $((5 \times 5 \times 5) - (5/5 + 5))^{(5+5)/5}$
 := $((666 + 6) + 6)/6 + 6^{(6+6)/6}$
 := $((7 \times 7) - 7) + 77^{(7+7)/7}$
 := $((888/8) + 8)^{(8+8)/8}$
 := $((99/9) + 99)^{(9+9)/9}$
- ▶ **14162** := $1 + (((11^{1+1}) - (1 + 1))^{1+1})$
 := $2/2 + (((22/2)^2 - 2)^2)$
 := $3 + (((3^3 - 3)^3) - 3/3) + 333 + 3$
 := $4 + (((4 - (44 \times 44))/4) + ((44/4)^4))$
 := $5/5 + (((5 \times 5 \times 5) - (5/5 + 5))^{(5+5)/5})$
 := $6 + ((6 \times (6 \times (6 \times 66)) - 6)) - (((6 + 6)/6)^6)$
 := $7/7 + (((7 \times 7) - 7) + 77)^{(7+7)/7}$
 := $8/8 + (((888/8) + 8)^{(8+8)/8})$
 := $9/9 + (((99/9) + 99) + 9)^{(9+9)/9}$
- ▶ **14163** := $1 + (1 + (((11^{1+1}) - (1 + 1))^{1+1}))$
 := $2 + (((22/2)^2 - 2)^2)$
 := $3 + (((3^3 - 3)^3) + 333) + 3$
 := $(4 - 4/4) \times (((4/4 + 4)^4) + ((4 + 4)^4))$
 := $((5^5 + 5)/(5 + 5)) + (5 \times ((5 \times 555) - 5))$
 := $6 + (((6 \times (6 \times (6 \times 66))) - (666/6) + 6) + 6)$
 := $((7 + 7)/7) + (((7 \times 7) - 7) + 77)^{(7+7)/7}$
 := $8 + (((8 + 8) \times 888) - (8 \times 8)) + (88/8)$
 := $((9 + 9)/9) + (((99/9) + 99) + 9)^{(9+9)/9}$
- ▶ **14164** := $1 + (1 + (1 + (((11^{1+1}) - (1 + 1))^{1+1})))$
 := $2 + (((22/2)^2 - 2)^2) + 2/2$
 := $((3^3 - 3)^3) + (((3/3 + 3 + 3)^3) - 3)$
 := $(4 \times ((4 + 4) \times 444)) - 44$
 := $(5 \times ((5^5 - (5 \times 55)) + 5)) - (555/5)$
 := $((66 - 6/6) \times ((6 \times 6 \times 6) + ((6 + 6)/6))) - 6$
 := $7 + (((7 + 7)/7)^7) \times ((777 - 7)/7) + 77$
 := $((8 + 8) \times 888) - (88/(8 + 8)/8)$
 := $(9 \times 99) + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) - (99/9))$
- ▶ **14165** := $1 + (1 + (1 + (1 + (((11^{1+1}) - (1 + 1))^{1+1}))))$
 := $2 + (((22/2)^2 - 2)^2) + 2$
 := $3 \times 3 + (((3^3 - 3)^3) - 3/3) + 333$
 := $4 + (((444/4) + 4) + 4)^{(4+4)/4}$
 := $5 + (((5 \times (5 \times 555) + 55)) + 5) + 5$
 := $(66/6) + ((6 \times ((6 \times (6 \times 66)) - 6)) - 66)$
 := $(77/7) + ((7 - 7/7) \times ((7 \times (7 \times 7 \times 7 - 7)) + 7))$
 := $((8 + 8) \times (888 - ((8 + 8)/8))) - (88/8)$
 := $((9 - 9/9) \times (((9 + 9) \times 99) + 9/9)) - 99$
- ▶ **14166** := $1 + (1 + (1 + (1 + (1 + (((11^{1+1}) - (1 + 1))^{1+1}))))))$
 := $2 + (((22/2)^2 - 2)^2) + 2/2 + 2$
 := $3 \times ((3 \times ((33/3)^3)) + (3^{3+3}))$
 := $((4 + 4)/4) + ((4 \times ((4 + 4) \times 444)) - 44)$
 := $5 + (((5 \times 5 \times 5) - (5/5 + 5))^{(5+5)/5})$
 := $6 + (((6 \times ((6 \times (6 \times 66)) - 6)) - 66) + 6)$
 := $7 + (((7 + 7)/7)^7) \times ((777/7)) - (7 \times 7)$
 := $88 + (((8 + 8) \times (888 - 8)) - ((8 + 8)/8))$
 := $9 + (99 \times ((9 \times (9 + 9)) - ((9/9 + 9) + 9)))$
- ▶ **14167** := $((1 + 1) \times (1 + 1 + 1)) + (((11^{1+1}) - (1 + 1))^{1+1})$
 := $2 + (((22/2)^2 - 2)^2) + 2 + 2$
 := $((3^3 - 3)^3) + ((3/3 + 3 + 3)^3)$
 := $4 + ((4 - 4/4) \times (((4/4 + 4)^4) + ((4 + 4)^4)))$
 := $(5 \times 5^5) - ((5/5 + 5) \times ((5 - (5 + 5)/5)^5))$
 := $6 + (((666 + 6) + 6)/6) + 6^{(6+6)/6}$
 := $7 + (((7 \times 7) - 7/7) \times ((7 \times ((7 \times 7) - 7)) + 7/7))$
 := $88 + (((8 + 8) \times (888 - 8)) - 8/8)$
 := $((9 - 9/9) \times (((9 + 9) \times 99) - 9/9)) - (9 \times 9)$
- ▶ **14168** := $11 + ((1 + 1 + 11) \times ((11 \times (1 + 1 + 1))^{1+1}))$
 := $2 \times (22 \times (((2^2+2) + 2)^2 - 2))$
 := $333 + (((3^3 - 3)^3) + (33/3))$
 := $4 + ((4 \times ((4 + 4) \times 444)) - 44)$
 := $(55 + 5/5) \times (((5 - (5 + 5)/5)^5) + 5) + 5$
 := $(66/6) \times ((6 \times 6 \times 6 \times 6) - ((6 + 6)/6 + 6))$
 := $7 + (((7 \times 7) - 7) + 77)^{(7+7)/7}$
 := $88 + ((8 + 8) \times (888 - 8))$
 := $(9 - 9/9) \times (((9 + 9) \times 99) - (99/9))$
- ▶ **14169** := $11 + (((11^{1+1}) - (1 + 1))^{1+1}) - (1 + 1 + 1)$
 := $(2 \times (2 + 2)) + (((22/2)^2 - 2)^2)$
 := $3 + (((3^3 - 3)^3) + 333) + 3 \times 3$
 := $4 + (((444/4) + 4) + 4)^{(4+4)/4} + 4$
 := $(5 \times 5^5) - ((5 \times 5) + 5/5) \times (55 + 5/5)$
 := $(6 \times ((6 \times (6 \times 66)) + 6)) - (((666/6) + 6) + 6)$
 := $7 + (((7 \times 7) - 7) + 77)^{(7+7)/7} + 7/7$
 := $8 + (((888/8) + 8)^{(8+8)/8})$
 := $9 + ((9 - 9/9) \times (((9 + 9) \times 99) - ((99 + 9)/9)))$
- ▶ **14170** := $11 + (((11^{1+1}) - (1 + 1))^{1+1}) - (1 + 1)$
 := $2 + (2 \times (22 \times (((2^2+2) + 2)^2 - 2))$
 := $3 + (((3/3 + 3 + 3)^3) + ((3^3 - 3)^3))$
 := $((4^4 + 4)/4) \times ((444/((4 + 4)/4)) - 4)$
 := $((5 \times 5) + 5/5) \times (555 - (5 + 5))$
 := $(66 - 6/6) \times ((6 \times 6 \times 6) + ((6 + 6)/6))$
 := $7 + (((7 \times 7) - 7) + 77)^{(7+7)/7} + (7 + 7)/7$
 := $8 + (((888/8) + 8)^{(8+8)/8}) + 8/8$
 := $9 + (((99/9) + 99) + 9)^{(9+9)/9}$

$$\begin{aligned}
\blacktriangleright 14171 &:= 11 + (((11^{1+1}) - (1+1))^{1+1}) - 1 \\
&:= 2 + (((((22/2)^2) - 2)^2) + (2 \times (2+2))) \\
&:= 3 + (((3^3 - 3)^3) + 333) + (33/3) \\
&:= ((4+4) \times ((4 \times 444) - 4)) - (4/4+4) \\
&:= 5 + (((5 \times 5 \times 5) - (5/5+5))^{(5+5)/5}) + 5 \\
&:= 66 + ((66 - 6/6) \times ((6 \times 6 \times 6) + 6/6)) \\
&:= 77 + ((77/7+7) \times ((777 - 7/7) + 7)) \\
&:= ((8+8) \times 888) - (888/(8+8+8)) \\
&:= 9 + (((99/9) + 99) + 9)^{(9+9)/9} + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14172 &:= 11 + (((11^{1+1}) - (1+1))^{1+1}) \\
&:= (22/2) + (((22/2)^2) - 2)^2 \\
&:= (3 \times (((3 \times (3+3))^3) + 3)) - 3333 \\
&:= ((4+4) \times ((4 \times 444) - 4)) - 4 \\
&:= ((55+5)/5) \times (((5^5+5)/5) + 555) \\
&:= (6 \times ((6 \times (6 \times 66)) - (6+6))) - (6+6) \\
&:= (77/7) + (((7 \times 7) - 7) + 77)^{(7+7)/7} \\
&:= 8 + (((8+8) \times 888) - (88/(8+8)/8)) \\
&:= (99/9) + (((99/9) + 99) + 9)^{(9+9)/9}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14173 &:= 1 + (11 + (((11^{1+1}) - (1+1))^{1+1})) \\
&:= 22^2 + (((22/2)^2) - (2+2))^2 \\
&:= 3 + (((3/3+3+3)^3) + ((3^3-3)^3)) + 3 \\
&:= 44 + (((44/4)^4) - (4^4+4^4)) \\
&:= (5 \times (((5 \times 555) + 55) + 5)) - ((5+5)/5) \\
&:= (6 \times ((6 \times (6 \times 66)) - (6+6))) - (66/6) \\
&:= 7 + (((((7+7)/7)^7) \times (777/7)) - (7 \times 7) + 7) \\
&:= ((8+8) \times 888) - (((88/8) + 8) + 8) + 8 \\
&:= ((9-9/9) \times ((9+9) \times 99) - 9) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14174 &:= 1 + (1 + (11 + (((11^{1+1}) - (1+1))^{1+1}))) \\
&:= 2 + (((((22/2)^2) - 2)^2) + (22/2)) \\
&:= (((3 \times (3+3) + 3)^3) + (((33/3+3) + 3)^3)) \\
&:= ((4+4) \times ((4 \times 444) - 4)) - ((4+4)/4) \\
&:= (5 \times (((5 \times 555) + 55) + 5)) - 5/5 \\
&:= ((6-66)/6) + (6 \times ((6 \times (6 \times 66)) - (6+6))) \\
&:= (777/7) + (7 \times (7 \times ((7 \times (7 \times 7) - 7) - 7))) \\
&:= ((8+8)/8) \times ((8 \times 888) - (8/8+8+8)) \\
&:= (9 \times 99) + (((9+9) \times (9 \times (9 \times 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14175 &:= 1 + (1 + (1 + (11 + (((11^{1+1}) - (1+1))^{1+1})))) \\
&:= (2^{2+2}) + (((((22/2)^2) - 2)^2) - 2) \\
&:= 3 \times (((3 \times ((33/3)^3)) + (3^{3+3})) + 3) \\
&:= ((4-4/4)^4) \times ((4 \times 44) - 4/4) \\
&:= 5 \times (((5 \times 555) + 55) + 5) \\
&:= (6 \times ((6 \times (6 \times 66)) + 6)) - ((666/6) + 6) \\
&:= (7 \times (7+7) + 7) \times (((7+7)/7)^7) + 7 \\
&:= ((8+8) \times 888 - ((8+8)/8)) - 8/8 \\
&:= 9 \times (((9 \times (9 \times (9+9))) + 99) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14176 &:= (((11^{1+1}) - 1)^{1+1}) - ((1+1) \times (1+111)) \\
&:= (2^{2+2}) \times ((2 \times 2 \times 222) - 2) \\
&:= 3 \times 3 + (((3/3+3+3)^3) + ((3^3-3)^3)) \\
&:= (4+4) \times ((4 \times 444) - 4) \\
&:= 5/5 + (5 \times (((5 \times 555) + 55) + 5)) \\
&:= 6 + ((66 - 6/6) \times ((6 \times 6 \times 6) + ((6+6)/6))) \\
&:= 7/7 + ((7 \times (7+7) + 7) \times (((7+7)/7)^7) + 7) \\
&:= (8+8) \times (888 - ((8+8)/8)) \\
&:= (9-9/9) \times (((9+9) \times 99) - (9/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14177 &:= (((11^{1+1}) - 1)^{1+1}) - (1 + ((1+1) \times 111)) \\
&:= (2^{2+2}) + (((22/2)^2) - 2)^2 \\
&:= 3 + (((33/3+3) + 3)^3) + (((3 \times (3+3) + 3)^3)) \\
&:= 4/4 + ((4+4) \times ((4 \times 444) - 4)) \\
&:= ((5+5)/5) + (5 \times (((5 \times 555) + 55) + 5)) \\
&:= (6 \times ((6 \times (6 \times 66)) - (6+6))) - (6/6+6) \\
&:= ((77/7+7) \times ((77/7) + 777)) - 7 \\
&:= 8 + (((888/8) + 8)^{(8+8)/8}) + 8 \\
&:= 9 + ((9-9/9) \times (((9+9) \times 99) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14178 &:= (((11^{1+1}) - 1)^{1+1}) - ((1+1) \times 111) \\
&:= 2 + ((2^{2+2}) \times ((2 \times 2 \times 222) - 2)) \\
&:= 3 + (((3^3 - 3)^3) + 333) + (3 \times (3+3)) \\
&:= ((4+4)/4) + ((4+4) \times ((4 \times 444) - 4)) \\
&:= 5 + ((5 \times (((5 \times 555) + 55) + 5)) - ((5+5)/5)) \\
&:= (6 \times ((6 \times (6 \times 66)) - (6+6))) - 6 \\
&:= (7-7/7) \times ((7 \times (7 \times 7 \times 7 - 7)) + (77/7)) \\
&:= ((8+8)/8) + ((8+8) \times (888 - ((8+8)/8))) \\
&:= (999/9) + ((9+9+9) \times (((9+9)/9)^9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14179 &:= 1 + (((11^{1+1}) - 1)^{1+1}) - ((1+1) \times 111) \\
&:= 2 + (((((22/2)^2) - 2)^2) + (2^{2+2})) \\
&:= (33/3) \times (((33/3)^3) - (3 \times 3 + 33)) \\
&:= 4 + (((4-4/4)^4) \times ((4 \times 44) - 4/4)) \\
&:= 5 + ((5 \times (((5 \times 555) + 55) + 5)) - 5/5) \\
&:= 6/6 + ((6 \times ((6 \times (6 \times 66)) - (6+6))) - 6) \\
&:= 77/7 \times (((7-7/7)^{77/7-7}) - 7) \\
&:= 88 + (((8+8) \times (888-8)) + (88/8)) \\
&:= 9 + (((99/9) + 99) + 9)^{(9+9)/9} + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14180 &:= (11-1) \times (1 + ((1+1+11) \times (111 - (1+1)))) \\
&:= 2 + ((2^{2+2}) \times ((2 \times 2 \times 222) - 2)) + 2 \\
&:= 3^3 + (((3^3 - 3)^3) - (3/3+3)) + 333 \\
&:= 4 + ((4+4) \times ((4 \times 444) - 4)) \\
&:= 5 + (5 \times (((5 \times 555) + 55) + 5)) \\
&:= ((6+6)/6) + ((6 \times ((6 \times (6 \times 66)) - (6+6))) - 6) \\
&:= 7 \times 7 + (((((7+7)/7)^7) \times (777/7)) - 77) \\
&:= ((8+8) \times 888) + ((8 - (8 \times 8))/(8+8)/8) \\
&:= (99/9+9) \times ((9 \times (9 \times 9)) - (99/9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14181 &:= ((1+1) \times (11-1)) + (((11^{1+1}) - (1+1))^{1+1}) \\
&:= 22 + (((((22/2)^2) - 2)^2) - 2) \\
&:= 3^3 + (((3^3 - 3)^3) - 3) + 333 \\
&:= ((44/4)^4) - (444 + 4 \times 4) \\
&:= 5^5 + ((55555/5) - 55) \\
&:= (6 \times ((6 \times (6 \times 66)) + 6)) - (666/6) \\
&:= 7 + ((7 \times (7 \times ((7 \times (7 \times 7) - 7)) - 7))) + (777/7) \\
&:= ((8+8) \times 888) - (((88/8) + 8) + 8) \\
&:= ((9 \times (9+9)) + 9/9) \times (99 - ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14182 &:= (1+1+1+11) \times (((1+1)^{11-1}) - 11) \\
&:= 22 + (((((22/2)^2) - 2)^2) - 2/2) \\
&:= 3 + ((33/3) \times (((33/3)^3) - (3 \times 3 + 33))) \\
&:= 4 + (((4+4) \times ((4 \times 444) - 4)) + ((4+4)/4)) \\
&:= (((5+5)/5)^5) + (5 \times ((5 \times 555) + 55)) \\
&:= (6 \times ((6 \times (6 \times 66)) - (6+6))) - ((6+6)/6) \\
&:= 7 + ((7 \times (7+7) + 7) \times (((7+7)/7)^7) + 7) \\
&:= ((8-88)/8) + ((8+8) \times (888 - 8/8)) \\
&:= ((9-9/9) \times ((9+9) \times 99) - 9) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14183 &:= 11 + (11 + (((11^{1+1}) - (1+1))^{1+1})) \\
&:= 22 + (((((22/2)^2) - 2)^2) - 2^2) \\
&:= 3^3 + (((3^3 - 3)^3) - 3/3) + 333 \\
&:= 4 + (((4-4/4)^4) \times ((4 \times 44) - 4/4)) + 4 \\
&:= ((5^5 + 5)/(5+5)) + ((5 \times 5 \times 555) - 5) \\
&:= (6 \times ((6 \times (6 \times 66)) - (6+6))) - 6/6 \\
&:= 7 + (((7 \times (7+7) + 7) \times (((7+7)/7)^7) + 7)) + 7/7 \\
&:= ((8+8) \times 888) - ((8/8 + 8 + 8) + 8) \\
&:= ((9-9/9) \times ((9+9) \times 99) - 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14184 &:= 1 + (11 + (11 + (((11^{1+1}) - (1+1))^{1+1}))) \\
&:= 22 + (((((22/2)^2) - 2)^2) + 2/2) \\
&:= 3^3 + (((3^3 - 3)^3) + 333) \\
&:= 4 + (((4+4) \times ((4 \times 444) - 4)) + 4) \\
&:= (5 \times (5^5 - (5 \times 55))) - ((55/5) + 55) \\
&:= 6 \times ((6 \times (6 \times 66)) - (6+6)) \\
&:= (77/7 + 7) \times ((77/7) + 777) \\
&:= ((8+8) \times 888) - (8+8+8) \\
&:= (9-9/9) \times (((9+9) \times 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14185 &:= ((1+1) \times (1+11)) + (((11^{1+1}) - (1+1))^{1+1}) \\
&:= 2 + (((((22/2)^2) - 2)^2) + 22) \\
&:= 3^3 + (((3^3 - 3)^3) + 333) + 3/3 \\
&:= 4 + (((44/4)^4) - (444 + 4 \times 4)) \\
&:= 5 + ((5 \times ((5 \times 555) + 55) + 5)) + 5 \\
&:= 6/6 + (6 \times ((6 \times (6 \times 66)) - (6+6))) \\
&:= 7 + ((7-7/7) \times ((7 \times (7 \times 7 \times 7) - 7)) + (77/7)) \\
&:= 8/8 + (((8+8) \times 888) - (8+8+8)) \\
&:= 9/9 + ((9-9/9) \times (((9+9) \times 99) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14186 &:= 1 + (((1+1) \times (1+11)) + (((11^{1+1}) - (1+1))^{1+1})) \\
&:= (222 \times (2^{2+2+2})) - 22 \\
&:= ((3^3 - 3)^3) + (((33 \times 33) - 3)/3) \\
&:= ((44/4)^4) - (444 + 44/4) \\
&:= 5 + (((55555/5) - 55) + 5^5) \\
&:= ((6+6)/6) + (6 \times ((6 \times (6 \times 66)) - (6+6))) \\
&:= 7 + ((77/7) \times (((7-7/7)^{77/7-7}) - 7)) \\
&:= ((8+8)/8) \times ((8 \times 888) - 88/8) \\
&:= (9/9 + (9 \times 9)) \times ((99/9) + (9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14187 &:= ((1+1) \times (1+1+11)) + (((11^{1+1}) - (1+1))^{1+1}) \\
&:= 2 + (((((22/2)^2) - 2)^2) + 22) + 2 \\
&:= ((3^3 - 3)^3) + (33 \times (33/3)) \\
&:= (44/4) + ((4+4) \times ((4 \times 444) - 4)) \\
&:= ((5^5 - 5)/(5+5)) + (5 \times 5 \times 555) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) - (666/6)) \\
&:= (((7+7)/7)^7) \times (777/7) - (7+7+7) \\
&:= 88/8 + ((8+8) \times (888 - (8+8)/8)) \\
&:= 9/9 + ((9/9 + (9 \times 9)) \times ((99/9) + (9 \times (9+9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14188 &:= ((1+1+1)^{1+1+1}) + (((11^{1+1}) - (1+1))^{1+1}) \\
&:= 2 + ((222 \times (2^{2+2+2})) - 22) \\
&:= ((3^3 - 3)^3) + (((33 \times 33) + 3)/3) \\
&:= (4 \times (((4+4) \times 444) - 4)) - 4 \\
&:= ((5^5 + 5)/(5+5)) + (5 \times 5 \times 555) \\
&:= (6 \times (6 \times (6 \times 66))) - (((6+6)/6) + 66) \\
&:= 77 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - 7/7 \\
&:= ((8+8) \times 888) - (((88+8)/8) + 8) \\
&:= 9 + (((((99/9) + 99) + 9)^{(9+9)/9}) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14189 &:= ((1+1+11) \times (1111-11)) - 111 \\
&:= 2 + ((((((22/2)^2) - 2)^2) + 22) + 2) + 2 \\
&:= 3 + (((33 \times 33) - 3)/3) + ((3^3 - 3)^3) \\
&:= ((44/4)^4) - ((444+4) + 4) \\
&:= (5 \times (5^5 - (5 \times 55))) - ((55+5/5) + 5) \\
&:= (6 \times (6 \times (6 \times 66))) - (66+6/6) \\
&:= 77 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) \\
&:= ((8+8) \times 888) - ((88/8) + 8) \\
&:= 9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) - (99/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14190 &:= (111-1) \times ((11 \times (1+11)) - (1+1+1)) \\
&:= 22 \times (((((2+2+2)^{2+2}) - 2)/2) - 2) \\
&:= 33 + (((3^3 - 3)^3) + 333) \\
&:= ((44/4) + 44) \times ((4+4)/4 + 4^4) \\
&:= 55 \times (((5^5 + 5)/(5+5)) - 55) \\
&:= 66 \times ((6 \times 6 \times 6) - 6/6) \\
&:= 7/7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) + 77 \\
&:= ((8+8)/8) \times ((8 \times 888) - (8/8+8)) \\
&:= ((99/9) + 99) \times (((999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 14191 &:= 1 + ((111 - 1) \times ((11 \times (1 + 11)) - (1 + 1 + 1))) \\ &:= 22 + (((22/2)^2) - 2^2) + (2 \times (2 + 2)) \\ &:= 3 + (((33 \times 33) + 3)/3) + ((3^3 - 3)^3) \\ &:= (4 \times (((4 + 4) \times 444) - 4)) - 4/4 \\ &:= 5/5 + (55 \times ((5^5 + 5)/(5 + 5)) - 55) \\ &:= 6/6 + (66 \times ((6 \times 6 \times 6) - 6/6)) \\ &:= 7 + ((77/7 + 7) \times ((77/7) + 777)) \\ &:= ((8 + 8) \times 888) - (8/8 + 8 + 8) \\ &:= 9 + (((9 - 9/9) \times ((9 + 9) \times 99) - 9)) - ((9 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14192 &:= 1 + (1 + ((111 - 1) \times ((11 \times (1 + 11)) - (1 + 1 + 1)))) \\ &:= 2 \times (2 \times (2 \times ((2 \times (2 \times 222)) - 2))) \\ &:= (((3 + 3)^3) \times (33 + 33)) - ((3/3 + 3)^3) \\ &:= 4 \times (((4 + 4) \times 444) - 4) \\ &:= 5 + (((5^5 - 5)/(5 + 5)) + (5 \times 5 \times 555)) \\ &:= (6 \times (6 \times (6 \times 66))) - (((6 + 6)/6)^6) \\ &:= (((7 + 7 + 7)/7)^7) + (7 \times (7 \times (7 \times ((7 \times 7) - (7 + 7)))))) \\ &:= (8 + 8) \times (888 - 8/8) \\ &:= (9 - 9/9) \times (((9 + 9) \times 99) - 9) + 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14193 &:= 11 + ((1 + 1 + 1 + 11) \times (((1 + 1)^{11-1}) - 11)) \\ &:= (2 \times (2^{2+2})) + (((22/2)^2) - 2^2) \\ &:= 3 + (((3^3 - 3)^3) + 333) + 33 \\ &:= ((44/4)^4) - (444 + 4) \\ &:= 5 + (((5^5 + 5)/(5 + 5)) + (5 \times 5 \times 555)) \\ &:= 6/6 + ((6 \times (6 \times (6 \times 66))) - (((6 + 6)/6)^6)) \\ &:= ((7/7 + (7 \times 7)) + 7) \times (((7 + 7)/7)^{7/7+7}) - 7 \\ &:= 8/8 + ((8 + 8) \times (888 - 8/8)) \\ &:= 9 + ((9 - 9/9) \times ((9 + 9) \times 99) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14194 &:= (11 \times (1 + 1 + 1)) + (((11^{1+1}) - (1 + 1))^{1+1}) \\ &:= ((22 - 2/2) \times ((22 + 2 + 2)^2)) - 2 \\ &:= 3^3 + (((3/3 + 3 + 3)^3) + ((3^3 - 3)^3)) \\ &:= 4/4 + (((44/4)^4) - (444 + 4)) \\ &:= (5 \times (5^5 - (5 \times 55))) - (55 + 5/5) \\ &:= 6 + ((6 \times (6 \times (6 \times 66))) - (((6 + 6)/6) + 66)) \\ &:= (((7 + 7)/7)^7) \times (777/7) - (7 + 7) \\ &:= ((8 + 8)/8) + ((8 + 8) \times (888 - 8/8)) \\ &:= 9 + (((9 - 9/9) \times ((9 + 9) \times 99) - 9)) + 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14195 &:= 1 + ((11 \times (1 + 1 + 1)) + (((11^{1+1}) - (1 + 1))^{1+1})) \\ &:= ((22/2)^{2+2}) - (2 \times 222 + 2) \\ &:= 3^{3 \times 3} + ((3/3 - 3) \times ((33/3 + 3)^3)) \\ &:= 4 + ((4 \times (((4 + 4) \times 444) - 4)) - 4/4) \\ &:= (5 \times (5^5 - (5 \times 55))) - 55 \\ &:= 6 + ((6 \times (6 \times (6 \times 66))) - (66 + 6/6)) \\ &:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) - 7/7 + 77 \\ &:= ((8 + 8) \times 888) - ((88 + 8 + 8)/8) \\ &:= 9 + ((9/9 + (9 \times 9)) \times ((99/9) + (9 \times (9 + 9)))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14196 &:= (1 + 1 + 1 + 11) \times (1 + (((1 + 1)^{11-1}) - 11)) \\ &:= (22 - 2/2) \times ((22 + 2 + 2)^2) \\ &:= (3/3 + 3) \times (3333 + ((3 + 3)^3)) \\ &:= 4 + (4 \times (((4 + 4) \times 444) - 4)) \\ &:= 5/5 + ((5 \times (5^5 - (5 \times 55))) - 55) \\ &:= 6 + (66 \times ((6 \times 6 \times 6) - 6/6)) \\ &:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) + 77 \\ &:= ((8 + 8) \times 888) - ((88 + 8)/8) \\ &:= ((99 + 9)/9) + ((9 - 9/9) \times ((9 + 9) \times 99) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14197 &:= ((1 + 1)^{11+1}) + (111111/11) \\ &:= ((22/2)^{2+2}) - (2 \times 222) \\ &:= ((3 - 3/3)^{33/3+3}) - (3 \times (3^{3+3})) \\ &:= ((44/4)^4) - 444 \\ &:= ((5 + 5)/5) + ((5 \times (5^5 - (5 \times 55))) - 55) \\ &:= 6 + ((66 \times ((6 \times 6 \times 6) - 6/6)) + 6/6) \\ &:= (((7 + 7)/7)^{7+7}) - (((7 + 7 + 7)/7)^7) \\ &:= ((8 + 8) \times 888) - (88/8) \\ &:= 9 + ((((((99/9) + 99) + 9)^{(9+9)/9}) + 9) + 9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14198 &:= 1 + (((1 + 1)^{11+1}) + (111111/11)) \\ &:= 2 + ((22 - 2/2) \times ((22 + 2 + 2)^2)) \\ &:= ((3^3 - 3)^3) + ((33/3) \times (3/3 + 33)) \\ &:= 4/4 + (((44/4)^4) - 444) \\ &:= (5 \times (5^5 - ((5 \times 55 + 5) + 5))) - ((5 + 5)/5) \\ &:= 6 + ((6 \times (6 \times (6 \times 66))) - (((6 + 6)/6)^6)) \\ &:= (7 \times (((7 + 7 + 7)/7)^7)) - (7777/7) \\ &:= ((8 - 88)/8) + ((8 + 8) \times 888) \\ &:= (9 \times (9 \times ((99 + (9 \times 9)) + 9))) - 9999/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14199 &:= (((11 - 1)^{1+1}) \times (((1 + 11)^{1+1}) - (1 + 1))) - 1 \\ &:= 2 + (((22/2)^{2+2}) - (2 \times 222)) \\ &:= ((3^3 - 3)^3) + (3 \times (((3 - 3/3) + 3)^3)) \\ &:= ((4 + 4)/4) + (((44/4)^4) - 444) \\ &:= (5 \times (5^5 - ((5 \times 55 + 5) + 5))) - 5/5 \\ &:= 6 + (((6 \times (6 \times (6 \times 66))) - (((6 + 6)/6)^6)) + 6/6) \\ &:= ((77 - 7) \times (((7 + 7) \times (7 + 7)) + 7)) - (77/7) \\ &:= ((8 + 8) \times 888) - (8/8 + 8) \\ &:= 9 + (((99/9) + 99) \times (((999/9) + 9) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14200 &:= ((11 - 1)^{1+1}) \times (((1 + 11)^{1+1}) - (1 + 1)) \\ &:= 2 \times (2 \times (((2^{2+2}) \times 222) - 2)) \\ &:= 33 + (((3/3 + 3 + 3)^3) + ((3^3 - 3)^3)) \\ &:= (4 + 4) \times ((4 \times 444) - 4/4) \\ &:= 5 \times (5^5 - ((5 \times 55 + 5) + 5)) \\ &:= ((66 - 6)/6) + (66 \times ((6 \times 6 \times 6) - 6/6)) \\ &:= (((7 + 7)/7)^7) \times (777/7) - (7/7 + 7) \\ &:= ((8 + 8) \times 888) - 8 \\ &:= (9 - 9/9) \times (((9 + 9) \times 99) - 9) + ((9 + 9)/9) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14201 &:= 1 + (((11-1)^{1+1}) \times (((1+11)^{1+1}) - (1+1))) \\
&:= (2 \times (22-2)) + (((22/2)^2) - 2)^2 \\
&:= ((3^3 - 3/3)^3) - ((3 \times 3 + 3 + 3)^3) \\
&:= 4 + (((44/4)^4) - 444) \\
&:= 5/5 + (5 \times (5^5 - ((5 \times 55 + 5) + 5))) \\
&:= (66/6) + (66 \times ((6 \times 6 \times 6) - 6/6)) \\
&:= (((7+7)/7)^7) \times (777/7) - 7 \\
&:= 8/8 + (((8+8) \times 888) - 8) \\
&:= 9 + (9 - 9/9) \times (((9+9) \times 99) - 9) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14206 &:= (1+1) \times ((111 \times ((1+1)^{(1+1) \times (1+1+1)})) - 1) \\
&:= (222 \times (2^{2+2+2})) - 2 \\
&:= 3 + ((3 \times ((3+3) \times ((33 \times (3^3 - 3)) - 3))) + 3/3) \\
&:= (4 \times ((4+4) \times 444)) - ((4+4)/4) \\
&:= 5 + ((5 \times (5^5 - ((5 \times 55 + 5) + 5))) + 5/5) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - (((6+6)/6 + 6) + 6) \\
&:= (((7+7)/7)^7) \times (777/7) - ((7+7)/7) \\
&:= ((8+8) \times 888) - ((8+8)/8) \\
&:= ((9+9)/9) \times (((9-9/9) \times ((9 \times 99) - ((9+9)/9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14202 &:= 1 + (1 + (((11-1)^{1+1}) \times (((1+11)^{1+1}) - (1+1)))) \\
&:= 2 + (2 \times (2 \times ((2^{2+2}) \times 222) - 2)) \\
&:= 3 \times ((3+3) \times ((33 \times (3^3 - 3)) - 3)) \\
&:= 4 + (((44/4)^4) - 444 + 4/4) \\
&:= ((5+5)/5) + (5 \times (5^5 - ((5 \times 55 + 5) + 5))) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) - 6/6)) + 6) \\
&:= 7/7 + (((7+7)/7)^7) \times (777/7) - 7 \\
&:= ((8+8)/8) + (((8+8) \times 888) - 8) \\
&:= 999 + (9 \times ((9 \times (9 \times (9+9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14207 &:= (111 \times ((1+1)^{1+(1+1) \times (1+1+1)})) - 1 \\
&:= (222 \times (2^{2+2+2})) - 2/2 \\
&:= (((3/3 + 3)^3) \times (((3+3)^3) + 3) + 3) - 3/3 \\
&:= (4 \times ((4+4) \times 444)) - 4/4 \\
&:= 5 + ((5 \times (5^5 - ((5 \times 55 + 5) + 5))) + ((5+5)/5)) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - (6/6 + 6 + 6) \\
&:= (((7+7)/7)^7) \times (777/7) - 7/7 \\
&:= ((8+8) \times 888) - 8/8 \\
&:= 9 + ((9 \times (9 \times ((99 + (9 \times 9)) + 9))) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14203 &:= 1 + (1 + (1 + (((11-1)^{1+1}) \times (((1+11)^{1+1}) - (1+1)))))) \\
&:= (2 \times 22) + (((((22/2)^2) - 2)^2) - 2) \\
&:= 3/3 + (3 \times ((3+3) \times ((33 \times (3^3 - 3)) - 3))) \\
&:= (4 \times ((4+4) \times 444)) - (4/4 + 4) \\
&:= 5 + ((5 \times (5^5 - ((5 \times 55 + 5) + 5))) - ((5+5)/5)) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - ((66/6) + 6) \\
&:= ((77-7) \times (((7+7) \times (7+7)) + 7)) - 7 \\
&:= 88/8 + ((8+8) \times (888 - 8/8)) \\
&:= 9/9 + ((9 \times ((9 \times (9 \times (9+9))) + 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14208 &:= 111 \times ((1+1)^{1+(1+1) \times (1+1+1)}) \\
&:= 222 \times (2^{2+2+2}) \\
&:= ((3/3 + 3)^3) \times (((3+3)^3) + 3) + 3 \\
&:= 4 \times ((4+4) \times 444) \\
&:= (5 - 5/5) \times (((5+5)/5)^5) \times (555/5) \\
&:= (((6+6)/6)^6) \times (6 \times 6 \times 6 + 6) \\
&:= (((7+7)/7)^7) \times (777/7) \\
&:= (8+8) \times 888 \\
&:= (999/9) \times (((99/9) + 99) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14204 &:= (1+1) \times ((1+1) \times ((111 \times ((11 \times (1+1+1)) - 1) - 1)) - 1) \\
&:= 2 \times (2 \times ((2^{2+2}) \times 222) - 2) \\
&:= 3 + (((3^3 - 3/3)^3) - ((3 \times 3 + 3 + 3)^3)) \\
&:= (4 \times ((4+4) \times 444)) - 4 \\
&:= 5 + ((5 \times (5^5 - ((5 \times 55 + 5) + 5))) - 5/5) \\
&:= 6 + (((6 \times (6 \times (6 \times 66))) - (((6+6)/6)^6)) + 6) \\
&:= 7 + (((7+7)/7)^{7+7}) - (((7+7+7)/7)^7) \\
&:= ((8+8) \times 888) - (8 \times 8 / (8+8)) \\
&:= 9 + (((9/9 + (9 \times 9)) \times ((99/9) + (9 \times (9+9)))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14209 &:= 1 + (111 \times ((1+1)^{1+(1+1) \times (1+1+1)})) \\
&:= 2/2 + (222 \times (2^{2+2+2})) \\
&:= 3/3 + (((3/3 + 3)^3) \times (((3+3)^3) + 3) + 3) \\
&:= 4/4 + (4 \times ((4+4) \times 444)) \\
&:= (5 \times (5^5 - (5 \times 55 + 5))) - (55/5 + 5) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - (66/6) \\
&:= 7/7 + (((7+7)/7)^7) \times (777/7) \\
&:= 8/8 + ((8+8) \times 888) \\
&:= 9 + ((9-9/9) \times (((9+9) \times 99) - 9) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14205 &:= ((1+1) \times (11+11)) + (((11^{1+1}) - (1+1))^{1+1}) \\
&:= (2 \times 22) + (((22/2)^2) - 2)^2 \\
&:= 3 + (3 \times ((3+3) \times ((33 \times (3^3 - 3)) - 3))) \\
&:= 4 + (((44/4)^4) - 444 + 4) \\
&:= 5 + (5 \times (5^5 - ((5 \times 55 + 5) + 5))) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) - ((666/6) + 6)) \\
&:= 7 + ((7 \times (((7+7+7)/7)^7)) - (777/7)) \\
&:= 8 + (((8+8) \times 888) - 88/8) \\
&:= (999/9) + (9 \times (((9 \times (9 \times (9+9))) + 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14210 &:= 1 + (1 + (111 \times ((1+1)^{1+(1+1) \times (1+1+1)}))) \\
&:= 2 + (222 \times (2^{2+2+2})) \\
&:= ((3^3 - 3/3)^3) - (3333 + 33) \\
&:= ((4+4)/4) + (4 \times ((4+4) \times 444)) \\
&:= 5 + ((5 \times (5^5 - ((5 \times 55 + 5) + 5))) + 5) \\
&:= ((6-66)/6) + (6 \times ((6 \times (6 \times 66)) - 6)) \\
&:= (77-7) \times (((7+7) \times (7+7)) + 7) \\
&:= ((8+8)/8) + ((8+8) \times 888) \\
&:= (99-9/9) \times (((9+9) \times (9-9/9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14211 &:= 1 + (1 + (1 + (111 \times ((1+1)^{1+(1+1) \times (1+1+1)})))) \\
&:= 2 + ((222 \times (2^{2+2+2})) + 2/2) \\
&:= 3 + (((3/3 + 3)^3) \times (((3+3)^3) + 3) + 3) \\
&:= 4 + ((4 \times ((4+4) \times 444)) - 4/4) \\
&:= 5^5 + ((55555/5) - (5 \times 5)) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) - (666/6)) \\
&:= 7/7 + (((77-7) \times (((7+7) \times (7+7)) + 7)) \\
&:= 88/8 + (((8+8) \times 888) - 8) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9+9))) + 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14212 &:= (1+1) \times (1 + (1 + (111 \times ((1+1)^{(1+1) \times (1+1+1)})))) \\
&:= 2 + ((222 \times (2^{2+2+2})) + 2) \\
&:= (33/3) \times (((33/3)^3) - ((33+3) + 3)) \\
&:= 4 + (4 \times ((4+4) \times 444)) \\
&:= ((5^5 - 5)/(5+5)) + (5 \times (5 \times 555 + 5)) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - ((6+6)/6 + 6) \\
&:= ((7+7)/7) + (((77-7) \times (((7+7) \times (7+7)) + 7)) \\
&:= (8 \times 8/(8+8)) + ((8+8) \times 888) \\
&:= ((9/9 + 9) + 9) \times (((9 \times (9 \times 9)) + 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14213 &:= ((1+1)^{11}) + (((1+11+11)^{1+1+1}) - (1+1)) \\
&:= 2 + (((222 \times (2^{2+2+2})) + 2/2) + 2) \\
&:= 3 + (((3^3 - 3/3)^3) - (3333 + 33)) \\
&:= 4 + ((4 \times ((4+4) \times 444)) + 4/4) \\
&:= ((5^5 + 5)/(5+5)) + (5 \times (5 \times 555 + 5)) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - (6/6 + 6) \\
&:= 7 + (((((7+7)/7)^7) \times (777/7)) - ((7+7)/7)) \\
&:= 8 + (((8+8) \times 888) - 88/8 + 8) \\
&:= (99/9) + ((9 \times ((9 \times (9 \times (9+9))) + 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14214 &:= ((1+1)^{11}) + (((1+11+11)^{1+1+1}) - 1) \\
&:= 2 + (((222 \times (2^{2+2+2})) + 2) + 2) \\
&:= 3 + (((3/3 + 3)^3) \times (((3+3)^3) + 3) + 3) \\
&:= 4 + ((4 \times ((4+4) \times 444)) + ((4+4)/4)) \\
&:= (5 \times (5^5 - (5 \times 55 + 5))) - (55/5) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - 6 \\
&:= 7 + (((((7+7)/7)^7) \times (777/7)) - 7/7) \\
&:= 8 + (((8+8) \times 888) - ((8+8)/8)) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9+9))) + 99) + 9) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14215 &:= ((1+1)^{11}) + ((1+11+11)^{1+1+1}) \\
&:= (2^{22/2}) + (((22+2/2)^{2/2+2}) \\
&:= (3 \times ((3 \times (3+3))^3) - (((3^3 \times 3) + 3)/(3+3)) \\
&:= 4 + (((4 \times ((4+4) \times 444)) - 4/4) + 4) \\
&:= (5 \times (5^5 - (5 \times 55 + 5))) - (5+5) \\
&:= 6/6 + ((6 \times ((6 \times (6 \times 66)) - 6)) - 6) \\
&:= 7 + (((7+7)/7)^7) \times (777/7) \\
&:= 8 + (((8+8) \times 888) - 8/8) \\
&:= (9 \times (9 \times (9 \times (9+9)))) + (9999/9 - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14216 &:= 1 + (((1+1)^{11}) + ((1+11+11)^{1+1+1})) \\
&:= 2 \times (2 \times (((2^{2+2}) \times 222) + 2)) \\
&:= (3 \times ((3 \times (3+3))^3) + ((3 - (3^3 \times 3))/(3+3)) \\
&:= 4 + ((4 \times ((4+4) \times 444)) + 4) \\
&:= 5 + (((55555/5) - (5 \times 5)) + 5^5) \\
&:= ((6+6)/6) + ((6 \times ((6 \times (6 \times 66)) - 6)) - 6) - 6 \\
&:= 7 + (((((7+7)/7)^7) \times (777/7)) + 7/7) \\
&:= 8 + ((8+8) \times 888) \\
&:= (9 - 9/9) \times (((9 - 99)/(9+9)) + ((9+9) \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14217 &:= (11 \times 111) + ((1 + (1 + (1 + 111)))^{1+1}) \\
&:= 2/2 + (2 \times (2 \times (((2^{2+2}) \times 222) + 2)) \\
&:= ((3^3 - 3)^3) + ((33 \times (3 \times 3 + 3)) - 3) \\
&:= 4 + (((4 \times ((4+4) \times 444)) + 4/4) + 4) \\
&:= 5 + ((5 \times (5 \times 555 + 5)) + ((5^5 - 5)/(5+5))) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - (6 \times 6/(6+6)) \\
&:= 7 + (((77-7) \times (((7+7) \times (7+7)) + 7)) \\
&:= 8 + (((8+8) \times 888) + 8/8) \\
&:= 9 + ((999/9) \times (((99/9) + 99) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14218 &:= 1 + ((11 \times 111) + ((1 + (1 + (1 + 111)))^{1+1})) \\
&:= 2 + (2 \times (2 \times (((2^{2+2}) \times 222) + 2)) \\
&:= (3 \times (3 \times ((3 \times 3 + 3)^3)) - (((33/3)^3) + 3) \\
&:= ((44 - 4)/4) + (4 \times ((4+4) \times 444)) \\
&:= (5 \times (5^5 - (5 \times 55))) - (((5+5)/5)^5) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - ((6+6)/6) \\
&:= 7 + (((77-7) \times (((7+7) \times (7+7)) + 7)) + 7/7) \\
&:= 8 + (((8+8) \times 888) + ((8+8)/8)) \\
&:= ((9+9)/9) \times ((99 \times ((9 \times 9) - 9)) - ((9/9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14219 &:= 11 + (111 \times ((1+1)^{1+(1+1) \times (1+1+1)})) \\
&:= (22/2) + (222 \times (2^{2+2+2})) \\
&:= ((3^3 - 3)^3) + ((33 \times (3 \times 3 + 3)) - 3/3) \\
&:= (44/4) + (4 \times ((4+4) \times 444)) \\
&:= (5 \times (5^5 - (5 \times 55 + 5))) - (5/5 + 5) \\
&:= (6 \times ((6 \times (6 \times 66)) - 6)) - 6/6 \\
&:= (77/7) + (((7+7)/7)^7) \times (777/7) \\
&:= 88/8 + ((8+8) \times 888) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9)) - (9+9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14220 &:= 1 + (11 + (111 \times ((1+1)^{1+(1+1) \times (1+1+1)}))) \\
&:= 2 \times ((2 \times (((2^{2+2}) \times 222) + 2)) + 2) \\
&:= (3 \times 3 + 3) \times ((33 \times (33 + 3)) - 3) \\
&:= (4 \times (((4+4) \times 444) + 4)) - 4 \\
&:= (5 \times (5^5 - (5 \times 55 + 5))) - 5 \\
&:= 6 \times ((6 \times (6 \times 66)) - 6) \\
&:= (77/7 + 7) \times (((777 - 7/7) + 7) + 7) \\
&:= ((88 + 8)/8) + ((8+8) \times 888) \\
&:= (99/9 + 9) \times ((9 \times (9 \times 9)) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14221 &:= ((1 + 1 + 11) \times 1111) - ((1 + 1) \times 111) \\
&:= 2 + ((222 \times (2^{2+2+2})) + (22/2)) \\
&:= (3 \times (3 \times ((3 \times 3 + 3)^3))) - ((33/3)^3) \\
&:= 4/4 + ((4 \times (((4 + 4) \times 444) + 4)) - 4) \\
&:= 5/5 + ((5 \times (5^5 - (5 \times 55 + 5))) - 5) \\
&:= 6/6 + (6 \times ((6 \times (6 \times 66)) - 6)) \\
&:= (77/7) + ((77 - 7) \times (((7 + 7) \times (7 + 7)) + 7)) \\
&:= ((8 + 8) \times 888) + ((88 + 8 + 8)/8) \\
&:= 9/9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14222 &:= 1 + (((1 + 1 + 11) \times 1111) - ((1 + 1) \times 111)) \\
&:= 2 + (2 \times ((2 \times (((2^{2+2}) \times 222) + 2)) + 2)) \\
&:= (((3 + 3)^3) \times (33 + 33)) - (3/3 + 33) \\
&:= (4 \times (((4 + 4) \times 444) + 4)) - ((4 + 4)/4) \\
&:= ((5 + 5)/5) + ((5 \times (5^5 - (5 \times 55 + 5))) - 5) \\
&:= ((6 + 6)/6) + (6 \times ((6 \times (6 \times 66)) - 6)) \\
&:= 7 + (((((7 + 7)/7)^7) \times (777/7)) + 7) \\
&:= 8 + (((8 + 8) \times 888) - ((8 + 8)/8) + 8) \\
&:= ((9 + 9)/9) + ((99/9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14223 &:= 11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - (1 + 1 + 1) \\
&:= (22/2) \times (((2 + 2 + 2)^{2+2}) - (2/2 + 2)) \\
&:= 33 \times (((3 + 3)^{3/3+3}) - 3/3) \\
&:= (4 \times (((4 + 4) \times 444) + 4)) - 4/4 \\
&:= (5 \times (5^5 - (5 \times 55 + 5))) - ((5 + 5)/5) \\
&:= (6 \times 6/(6 + 6)) + (6 \times ((6 \times (6 \times 66)) - 6)) \\
&:= (777/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) \\
&:= 8 + (((8 + 8) \times 888) - 8/8) + 8) \\
&:= (9 \times 99) + (((99 + 9)/9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14224 &:= (1 + 111) \times (111 + ((1 + 1)^{1+1+1+1})) \\
&:= 2 \times (2 \times (((2^{2+2}) \times 222) + 2)) + 2) \\
&:= 3 + ((3 \times (3 \times ((3 \times 3 + 3)^3))) - ((33/3)^3)) \\
&:= 4 \times (((4 + 4) \times 444) + 4) \\
&:= (5 \times (5^5 - (5 \times 55 + 5))) - 5/5 \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) - ((6 + 6)/6)) \\
&:= 7 + (((77 - 7) \times (((7 + 7) \times (7 + 7)) + 7)) + 7) \\
&:= 8 + (((8 + 8) \times 888) + 8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14225 &:= (((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 111 \\
&:= (2^{2+2+2}) + (((22/2)^2) - 2)^2) \\
&:= 3 + (((3 + 3)^3) \times (33 + 33)) - (3/3 + 33) \\
&:= 4/4 + (4 \times (((4 + 4) \times 444) + 4)) \\
&:= 5 \times (5^5 - (5 \times 55 + 5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) - 6/6) \\
&:= (7 \times (((7 + 7)/7)^{7/7}) - (777/7)) \\
&:= 8 + (((8 + 8) \times 888) + 8/8) + 8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + (((9999 + 9)/9) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14226 &:= 1 + (((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 111 \\
&:= 2 + ((222 \times (2^{2+2+2})) + (2^{2+2})) \\
&:= 3 + (33 \times (((3 + 3)^{3/3+3}) - 3/3)) \\
&:= ((4 + 4)/4) + (4 \times (((4 + 4) \times 444) + 4)) \\
&:= 5/5 + (5 \times (5^5 - (5 \times 55 + 5))) \\
&:= 6 + (6 \times ((6 \times (6 \times 66)) - 6)) \\
&:= 7 + (((((7 + 7)/7)^7) \times (777/7)) + (77/7)) \\
&:= 8 + (((8 + 8) \times 888) + ((8 + 8)/8) + 8) \\
&:= 9 + (((999/9) \times (((99/9) + 99) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14227 &:= 1 + (1 + (((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 111) \\
&:= 2 + (((((22/2)^2) - 2)^2) + (2^{2+2+2})) \\
&:= 3 + (((3 \times (3 \times ((3 \times 3 + 3)^3))) - ((33/3)^3)) + 3) \\
&:= 4 + ((4 \times (((4 + 4) \times 444) + 4)) - 4/4) \\
&:= ((5 + 5)/5) + (5 \times (5^5 - (5 \times 55 + 5))) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) + 6/6) \\
&:= 7 + ((77/7 + 7) \times (((777 - 7/7) + 7) + 7)) \\
&:= 8 + (((8 + 8) \times 888) + (88/8)) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) + (((9 + 9)/9)^{9/9+9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14228 &:= (11 \times (1 + 111)) + ((1 + (1 + (1 + 111)))^{1+1}) \\
&:= 22 + ((222 \times (2^{2+2+2})) - 2) \\
&:= (((3 + 3)^3) \times (33 + 33)) - (3^3 + 3/3) \\
&:= 4 + (4 \times (((4 + 4) \times 444) + 4)) \\
&:= 5 + ((5 \times (5^5 - (5 \times 55 + 5))) - ((5 + 5)/5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) + ((6 + 6)/6)) \\
&:= (((7 + 7)/7)^{7+7}) + (77 \times ((7 \times 7) - 77)) \\
&:= 8 + (((8 + 8) \times 888) + ((88 + 8)/8)) \\
&:= 9 + (((99/9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14229 &:= (11 - 1 - 1) \times ((11 \times ((1 + 11)^{1+1})) - (1 + 1 + 1)) \\
&:= 22 + ((222 \times (2^{2+2+2})) - 2/2) \\
&:= 3 + (((3 \times (3 + 3))^3) - (33 \times 33)) \\
&:= 4 + ((4 \times (((4 + 4) \times 444) + 4)) + 4/4) \\
&:= 5 + ((5 \times (5^5 - (5 \times 55 + 5))) - 5/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) + (6 \times 6/(6 + 6))) \\
&:= 7 + (((((7 + 7)/7)^7) \times (777/7)) + 7) + 7) \\
&:= 8 + (((8 + 8) \times 888) + ((88 + 8 + 8)/8)) \\
&:= 9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) - (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14230 &:= (1 + 1) \times (11 + (111 \times ((1 + 1)^{(1+1) \times (1+1+1)}))) \\
&:= 22 + (222 \times (2^{2+2+2})) \\
&:= 3/3 + (3 \times (((3 \times (3 + 3))^3) - (33 \times 33))) \\
&:= 4 + ((4 \times (((4 + 4) \times 444) + 4)) + ((4 + 4)/4)) \\
&:= 5 + (5 \times (5^5 - (5 \times 55 + 5))) \\
&:= ((66 - 6)/6) + (6 \times ((6 \times (6 \times 66)) - 6)) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) + (777/7)) \\
&:= ((8 + 8)/8) \times ((8 \times 888) + (88/8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14231 &:= (1 + (11 \times (1 + 11))) \times (111 - (1 + 1 + 1 + 1)) \\
&:= 22 + ((222 \times (2^{2+2+2})) + 2/2) \\
&:= ((3^3 - 3)^3) + ((33 \times 333)/3^3) \\
&:= 4 + (((4 \times ((4 + 4) \times 444) + 4) - 4/4) + 4) \\
&:= 5^5 + (55555/5 - 5) \\
&:= (66/6) + (6 \times ((6 \times (6 \times 66)) - 6)) \\
&:= 7 \times (((7 + 7 + 7)/7)^7) - (77 + 77) \\
&:= 8 + (((8 + 8) \times 888) - 8/8) + 8) \\
&:= ((9/9 + 9) + 9) \times (((9 \times (9 \times 9)) + (99/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14232 &:= (1 + 11) \times ((11 \times (111 - (1 + 1 + 1))) - (1 + 1)) \\
&:= 2 + ((222 \times (2^{2+2+2})) + 22) \\
&:= 3 + (3 \times (((3 \times (3 + 3))^3) - (33 \times 33))) \\
&:= 4 + ((4 \times ((4 + 4) \times 444) + 4) + 4) \\
&:= 5 + ((5 \times (5^5 - (5 \times 55 + 5))) + ((5 + 5)/5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) + 6) \\
&:= 7 + ((7 \times (((7 + 7)/7)^{77/7}) - (777/7)) \\
&:= 8 + (((8 + 8) \times 888) + 8) + 8) \\
&:= (9 - 9/9) \times (((9 + 9) \times 99) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14233 &:= (11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - (1 + 1)) - 1 \\
&:= ((22/2)^2) + (2 \times ((2 \times (2 \times 22 - 2))^2)) \\
&:= 3^{3 \times 3} + ((3333 - (3^{3 \times 3}))/3) \\
&:= 4 + (((4 \times ((4 + 4) \times 444) + 4) + 4/4) + 4) \\
&:= 5^5 + (((5 + 5)/5) \times (5555 - 5/5)) \\
&:= 6 + (((6 \times (6 \times (6 \times 66)) - 6) + 6/6) + 6) \\
&:= 7 \times 7 + ((77/7 + 7) \times ((77/7) + 777)) \\
&:= 8 + (((8 + 8) \times 888) + 8/8) + 8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14234 &:= 11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - (1 + 1) \\
&:= 22 \times (((2 + 2 + 2)^{2+2}) - 2)/2) \\
&:= (3 - 3/3) \times ((33 \times ((3 + 3)^3) - 33/3) \\
&:= (44/4) \times (((4 + 4)/4) + 4)^4) - ((4 + 4)/4) \\
&:= (5 \times (5^5 - (5 \times 55))) - (55/5 + 5) \\
&:= (66/6) \times ((6 \times 6 \times 6 \times 6) - ((6 + 6)/6)) \\
&:= 77/7 \times ((7 \times ((7 + 7) \times (7 + 7))) - (7/7 + 77)) \\
&:= 8 + (((8 + 8) \times 888) + ((8 + 8)/8) + 8) + 8) \\
&:= (99/9) \times (((9 + 9) \times (9 \times 9) - 9) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14235 &:= 1 + (11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - (1 + 1)) \\
&:= 2/2 + (22 \times (((2 + 2 + 2)^{2+2}) - 2)/2) \\
&:= (((3 + 3)^3) + 3) \times (((3/3 + 3)^3) + 3/3) \\
&:= (44/4) + (4 \times (((4 + 4) \times 444) + 4)) \\
&:= 5 + ((5 \times (5^5 - (5 \times 55 + 5))) + 5) \\
&:= (66 - 6/6) \times ((6 \times 6/(6 + 6)) + 6 \times 6 \times 6) \\
&:= 7 + ((77 \times ((7 \times 7) - 77)) + (((7 + 7)/7)^{7+7})) \\
&:= 8 + (((8 + 8) \times 888) + (88/8) + 8) \\
&:= (9 \times (9 \times (9 \times (9 + 9)))) + (((9999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14236 &:= ((1 + 1)^{11}) + (11 \times (1111 - (1 + 1 + 1))) \\
&:= 2 + (22 \times (((2 + 2 + 2)^{2+2}) - 2)/2) \\
&:= 3 + (((3333 - (3^{3 \times 3}))/3) + (3^{3 \times 3})) \\
&:= ((4 + 4) \times ((4 \times 444) + 4)) - 4 \\
&:= 5^5 + (55555/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) + ((66 - 6)/6)) \\
&:= 7 + ((((((7 + 7)/7)^7) \times (777/7)) + 7) + 7) + 7) \\
&:= 8 + (((8 + 8) \times 888) + ((88 + 8)/8) + 8) \\
&:= ((9 + 9)/9) \times ((99 \times (9 \times 9) - 9) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14237 &:= 1 + (((1 + 1)^{11}) + (11 \times (1111 - (1 + 1 + 1)))) \\
&:= ((22/2)^{2+2}) - (((22 - 2)^2) + 2) + 2) \\
&:= ((3^3 - 3/3)^3) - (3333 + 3 + 3) \\
&:= 44 + (((44/4)^4) - (444 + 4)) \\
&:= 5^5 + (55555/5 + 5/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) + (66/6)) \\
&:= (7 \times (((7 + 7)/7)^{77/7}) - (7 + 7)) - 7/7 \\
&:= ((8 + 8) \times (888 + 8)) - ((88/8) + 88) \\
&:= ((9 + 9) \times (99 \times (9 - 9/9))) - ((9/9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14238 &:= (11 - 1 - 1) \times ((11 \times ((1 + 11))^{1+1}) - (1 + 1)) \\
&:= (22 - 2/2) \times (((22 + 2 + 2)^2) + 2) \\
&:= (3 + 3) \times ((3 \times (33 \times (3^3 - 3))) - 3) \\
&:= ((4 + 4) \times ((4 \times 444) + 4)) - ((4 + 4)/4) \\
&:= (5 \times (5^5 - (5 \times 55))) - ((55 + 5)/5) \\
&:= (6 \times (6 \times (6 \times 66))) - (6 + 6 + 6) \\
&:= 7 \times (((7 + 7)/7)^{77/7}) - (7 + 7) \\
&:= 8 + (((8 + 8) \times 888) + ((88 + 88)/8)) \\
&:= (9 + 9) \times ((9 \times 99) - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14239 &:= 1 + ((11 - 1 - 1) \times ((11 \times ((1 + 11))^{1+1}) - (1 + 1))) \\
&:= ((22/2)^{2+2}) - (((22 - 2)^2) + 2) \\
&:= 3/3 + ((3 + 3) \times ((3 \times (33 \times (3^3 - 3))) - 3)) \\
&:= ((4 + 4) \times ((4 \times 444) + 4)) - 4/4 \\
&:= (5 \times (5^5 - (5 \times 55))) - (55/5) \\
&:= (6 \times (6 \times (6 \times 66))) - ((66/6) + 6) \\
&:= 7/7 + (7 \times (((7 + 7)/7)^{77/7}) - (7 + 7)) \\
&:= ((8 + 8) \times (888 + ((8 + 8)/8))) - 8/8 \\
&:= ((9 - 9/9) \times (((9 + 9) \times 99) - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14240 &:= ((11 \times (1 + 1 + 1)) - 1) \times (1 + ((1 + 1) \times ((1 + 1) \times 111))) \\
&:= (2^{2+2}) \times ((2 \times 2 \times 222) + 2) \\
&:= ((3^3 - 3/3)^3) - (3333 + 3) \\
&:= (4 + 4) \times ((4 \times 444) + 4) \\
&:= (5 \times (5^5 - (5 \times 55))) - (5 + 5) \\
&:= ((6 - 66)/6) + ((6 \times (6 \times (6 \times 66))) - 6) \\
&:= (((7 + 7)/7)^7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) \\
&:= (8 + 8) \times (888 + ((8 + 8)/8)) \\
&:= (9 - 9/9) \times (((9 + 9) \times 99) - (9 + 9)/9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 14241 &:= (11^{1+1+1+1}) - (((1+1) \times (11-1))^{1+1}) \\ &:= ((22/2)^{2+2}) - ((22-2)^2) \\ &:= 3 + ((3+3) \times ((3 \times (33 \times (3^3-3))) - 3)) \\ &:= 44 + (((44/4)^4) - 444) \\ &:= 5 + (55555/5 + 5^5) \\ &:= (((6-66) + 6)/6) + ((6 \times (6 \times (6 \times 66))) - 6) \\ &:= ((7+7+7) \times ((7 \times (7 \times (7+7))) - 7)) - (77/7+7) \\ &:= 8/8 + ((8+8) \times (888 + ((8+8)/8))) \\ &:= 9 + (((9999-9)/9) + (9 \times (9 \times (9 \times (9+9)))))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14242 &:= 1 + ((11^{1+1+1+1}) - (((1+1) \times (11-1))^{1+1})) \\ &:= 2 + ((2^{2+2}) \times ((2 \times 2 \times 222) + 2)) \\ &:= ((3^3 - 3/3)^3) - (3333 + 3/3) \\ &:= ((4+4)/4) + ((4+4) \times ((4 \times 444) + 4)) \\ &:= 5 + ((55555/5 + 5^5) + 5/5) \\ &:= (6 \times (6 \times (6 \times 66))) - (((6+6)/6 + 6) + 6) \\ &:= ((77/7)^{77/7-7}) - (7 \times (7 \times 7 + 7) + 7) \\ &:= ((8+8)/8) + ((8+8) \times (888 + ((8+8)/8))) \\ &:= 9 + ((9 \times (9 \times (9 \times (9+9)))) + 9999/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14243 &:= (11 \times (((1+1+1) \times (1+11))^{1+1}) - 1) - (1+1) \\ &:= 2 + (((22/2)^{2+2}) - ((22-2)^2)) \\ &:= ((3^3 - 3/3)^3) - 3333 \\ &:= 4 + (((4+4) \times ((4 \times 444) + 4)) - 4/4) \\ &:= (5 \times (5^5 - (5 \times 55))) - (((5+5)/5) + 5) \\ &:= (6 \times (6 \times (6 \times 66))) - (6/6 + 6 + 6) \\ &:= 7 \times 7 + (((((7+7)/7)^7) \times (777/7)) - (7+7)) \\ &:= 8 + (((((8+8) \times 888) + (88/8)) + 8) + 8) \\ &:= 9 + (((9999+9)/9) + (9 \times (9 \times (9 \times (9+9)))))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14244 &:= (1+11) \times ((11 \times (111 - (1+1+1))) - 1) \\ &:= 2 + (((2^{2+2}) \times ((2 \times 2 \times 222) + 2)) + 2) \\ &:= (3+3) \times (((33 \times ((3+3)^3)) + 3)/3) - 3) \\ &:= 4 + ((4+4) \times ((4 \times 444) + 4)) \\ &:= (5 \times (5^5 - (5 \times 55))) - (5/5 + 5) \\ &:= (6 \times (6 \times (6 \times 66))) - (6+6) \\ &:= 7777 + ((77 \times (77+7)) - 7/7) \\ &:= ((8+8) \times 888) + (((8 \times 8) + 8)/(8+8)/8) \\ &:= ((99+9)/9) \times (((99 \times (99+9)) - 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14245 &:= 11 \times (((1+1+1) \times (1+11))^{1+1}) - 1 \\ &:= (22/2) \times (((2+2+2)^{2+2}) - 2/2) \\ &:= (33/3) \times (((33/3)^3) - (33+3)) \\ &:= 4 + (((4+4) \times ((4 \times 444) + 4)) + 4/4) \\ &:= (5 \times (5^5 - (5 \times 55))) - 5 \\ &:= (6 \times (6 \times (6 \times 66))) - (66/6) \\ &:= 77 \times (((7+7) \times (7+7)) - (77/7)) \\ &:= ((8+8) \times 888) + (888/(8+8+8)) \\ &:= (99/9) \times (((9+9) \times ((9 \times 9) - 9)) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14246 &:= 1 + (11 \times (((1+1+1) \times (1+11))^{1+1}) - 1) \\ &:= (2 \times ((22 \times ((2^{2+2}) + 2)^2)) - (2+2)) - 2 \\ &:= 3 + (((3^3 - 3/3)^3) - 3333) \\ &:= 4 + (((4+4) \times ((4 \times 444) + 4)) + ((4+4)/4)) \\ &:= 5/5 + ((5 \times (5^5 - (5 \times 55))) - 5) \\ &:= ((6-66)/6) + (6 \times (6 \times (6 \times 66))) \\ &:= 7/7 + ((77 \times (77+7)) + 7777) \\ &:= ((8+8)/8) \times (((8 \times 888) + (88/8)) + 8) \\ &:= ((9+9) \times (99 \times (9-9/9))) - (9/9+9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14247 &:= ((1+1)^{11}) + (11 \times (1111 - (1+1))) \\ &:= 2 + ((22/2) \times (((2+2+2)^{2+2}) - 2/2)) \\ &:= 3 \times ((33 \times ((3+3) \times (3^3-3))) - 3) \\ &:= 4 + (((4+4) \times ((4 \times 444) + 4)) - 4/4) + 4 \\ &:= ((5+5)/5) + ((5 \times (5^5 - (5 \times 55))) - 5) \\ &:= (((6-66) + 6)/6) + (6 \times (6 \times (6 \times 66))) \\ &:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 - 7)) + (((7+7)/7)^7) \\ &:= ((8+8) \times (888+8)) - (8/8+88) \\ &:= ((9+9) \times (99 \times (9-9/9))) - 9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14248 &:= 1 + (((1+1)^{11}) + (11 \times (1111 - (1+1)))) \\ &:= 2 \times ((22 \times (((2^{2+2}) + 2)^2)) - (2+2)) \\ &:= 3 + ((33/3) \times (((33/3)^3) - (33+3))) \\ &:= 4 + (((4+4) \times ((4 \times 444) + 4)) + 4) \\ &:= (5 \times (5^5 - (5 \times 55))) - ((5+5)/5) \\ &:= (6 \times (6 \times (6 \times 66))) - ((6+6)/6 + 6) \\ &:= ((7+7+7) \times ((7 \times (7 \times (7+7))) - 7)) - (77/7) \\ &:= ((8+8) \times (888+8)) - 88 \\ &:= (9-9/9) \times (((9+9) \times 99) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14249 &:= 1 + (1 + (((1+1)^{11}) + (11 \times (1111 - (1+1))))) \\ &:= (2 \times 2 \times 22) + (((22/2)^2) - 2)^2 \\ &:= 3 + (((3^3 - 3/3)^3) - 3333) + 3) \\ &:= 4 + (((4+4) \times ((4 \times 444) + 4)) + 4/4) + 4 \\ &:= (5 \times (5^5 - (5 \times 55))) - 5/5 \\ &:= (6 \times (6 \times (6 \times 66))) - (6/6 + 6) \\ &:= ((77/7)^{77/7-7}) - (7 \times (7 \times 7 + 7)) \\ &:= 8/8 + (((8+8) \times (888+8)) - 88) \\ &:= 9 + ((9-9/9) \times (((9+9) \times 99) - ((9+9)/9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14250 &:= (1 + (1 + (1 + 111))) \times (1 + (1 + (1 + (1 + (11^{1+1})))))) \\ &:= (2 \times ((22 \times (((2^{2+2}) + 2)^2)) - 2)) - 2 \\ &:= (3+3) \times (((33 \times ((3+3)^3)) - 3)/3) \\ &:= 44 + ((4 \times ((4+4) \times 444)) - ((4+4)/4)) \\ &:= 5 \times (5^5 - (5 \times 55)) \\ &:= (6 \times (6 \times (6 \times 66))) - 6 \\ &:= 7 \times 7 + (((((7+7)/7)^7) \times (777/7)) - 7) \\ &:= ((8+8)/8) + (((8+8) \times (888+8)) - 88) \\ &:= ((9+9)/9) + ((9-9/9) \times (((9+9) \times 99) - 9/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14251 &:= ((1 + ((1 + 1) \times (1 + 1 + 1))) \times (((1 + 1)^{11}) - (1 + 11))) - 1 \\ &:= 2 + (((((22/2)^2) - 2)^2) + (2 \times 2 \times 22)) \\ &:= 3/3 + ((3 + 3) \times (((33 \times ((3 + 3)^3)) - 3)/3)) \\ &:= 44 + ((4 \times ((4 + 4) \times 444)) - 4/4) \\ &:= 5/5 + (5 \times (5^5 - (5 \times 55))) \\ &:= 6/6 + ((6 \times (6 \times (6 \times 66))) - 6) \\ &:= ((7 + 7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7)) - (7/7 + 7) \\ &:= 88/8 + ((8 + 8) \times (888 + ((8 + 8)/8))) \\ &:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + 9999/9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14252 &:= (1 + ((1 + 1) \times (1 + 1 + 1))) \times (((1 + 1)^{11}) - (1 + 11)) \\ &:= 2 \times ((22 \times (((2^2+2) + 2)^2)) - 2) \\ &:= (3^3 + 3/3) \times (((3 - 3/3)^{3 \times 3}) - 3) \\ &:= 44 + (4 \times ((4 + 4) \times 444)) \\ &:= ((5 + 5)/5) + (5 \times (5^5 - (5 \times 55))) \\ &:= ((6 + 6)/6) + ((6 \times (6 \times (6 \times 66))) - 6) \\ &:= ((7 + 7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7)) - 7 \\ &:= ((8 + 8) \times 888) + (88/((8 + 8)/8)) \\ &:= ((9 + 9)/9) \times ((99 \times ((9 \times 9) - 9)) - ((9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14253 &:= (11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - (1 + 1 + 1)) \\ &:= 2/2 + (2 \times ((22 \times (((2^2+2) + 2)^2)) - 2)) \\ &:= (((3 + 3)^3) \times (33 + 33)) - 3 \\ &:= 44 + ((4 \times ((4 + 4) \times 444)) + 4/4) \\ &:= 5 + ((5 \times (5^5 - (5 \times 55))) - ((5 + 5)/5)) \\ &:= (6 \times (6 \times (6 \times 66))) - (6 \times 6/(6 + 6)) \\ &:= 7/7 + (((7 + 7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7)) - 7) \\ &:= 8 \times 8 + (((8 + 8) \times 888) - ((88/8) + 8)) \\ &:= ((9 + 9) \times (99 \times (9 - 9/9))) - ((9 + 9 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14254 &:= (11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - (1 + 1)) \\ &:= (2 \times (22 \times (((2^2+2) + 2)^2)) - 2) \\ &:= 3/3 + (((3 + 3)^3) \times (33 + 33)) - 3 \\ &:= (4 \times (44 \times ((4 - 4/4)^4))) - ((4 + 4)/4) \\ &:= 5 + ((5 \times (5^5 - (5 \times 55))) - 5/5) \\ &:= (6 \times (6 \times (6 \times 66))) - ((6 + 6)/6) \\ &:= ((7 + 7)/7) + (((7 + 7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7)) - 7) \\ &:= 8 + (((8 + 8)/8) \times (((8 \times 888) + (88/8)) + 8)) \\ &:= ((9 + 9)/9) \times ((99 \times ((9 \times 9) - 9)) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14255 &:= (11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) - 1) \\ &:= ((2 \times 22)^2) + (((222/2)^2) - 2) \\ &:= (((3 + 3)^3) \times (33 + 33)) - 3/3 \\ &:= (4 \times (44 \times ((4 - 4/4)^4))) - 4/4 \\ &:= 5 + (5 \times (5^5 - (5 \times 55))) \\ &:= (6 \times (6 \times (6 \times 66))) - 6/6 \\ &:= 7 + (((7 + 7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7)) - (77/7)) \\ &:= 8 + (((8 + 8) \times (888 + 8)) - (8/8 + 88)) \\ &:= ((9 + 9) \times (99 \times (9 - 9/9))) - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14256 &:= 11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1}) \\ &:= 2 \times (22 \times (((2^2+2) + 2)^2)) \\ &:= ((3 + 3)^3) \times (33 + 33) \\ &:= 4 \times (44 \times ((4 - 4/4)^4)) \\ &:= 5 + ((5 \times (5^5 - (5 \times 55))) + 5/5) \\ &:= 6 \times (6 \times (6 \times 66)) \\ &:= 77/7 \times ((7 - 7/7)^{77/7-7}) \\ &:= 8 + (((8 + 8) \times (888 + 8)) - 88) \\ &:= (9 + 9) \times (99 \times (9 - 9/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14257 &:= 1 + (11 \times (((1 + 1 + 1) \times (1 + 11))^{1+1})) \\ &:= ((2 \times 22)^2) + (((222/2)^2) \\ &:= 3/3 + (((3 + 3)^3) \times (33 + 33)) \\ &:= 4/4 + (4 \times (44 \times ((4 - 4/4)^4))) \\ &:= 5 + ((5 \times (5^5 - (5 \times 55))) + ((5 + 5)/5)) \\ &:= 6/6 + (6 \times (6 \times (6 \times 66))) \\ &:= 7 \times 7 + (((7 + 7)/7)^7) \times (777/7) \\ &:= 8 + (((888/8) + 8)^{(8+8)/8}) + 88 \\ &:= 9/9 + ((9 + 9) \times (99 \times (9 - 9/9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14258 &:= ((1 + 1)^{11}) + (11 \times (1111 - 1)) \\ &:= 2 + (2 \times (22 \times (((2^2+2) + 2)^2)) \\ &:= 3 + (((3 + 3)^3) \times (33 + 33)) - 3/3 \\ &:= ((4 + 4)/4) + (4 \times (44 \times ((4 - 4/4)^4))) \\ &:= 5 + (((5 \times (5^5 - (5 \times 55))) - ((5 + 5)/5)) + 5) \\ &:= ((6 + 6)/6) + (6 \times (6 \times (6 \times 66))) \\ &:= ((7 + 7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7)) - 7/7 \\ &:= 8 + (((8 + 8) \times (888 + 8)) - 88) + ((8 + 8)/8) \\ &:= ((9 + 9)/9) + ((9 + 9) \times (99 \times (9 - 9/9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14259 &:= 1 + (((1 + 1)^{11}) + (11 \times (1111 - 1))) \\ &:= 2 + (((222/2)^2) + ((2 \times 22)^2)) \\ &:= 3 + (((3 + 3)^3) \times (33 + 33)) \\ &:= 4 + ((4 \times (44 \times ((4 - 4/4)^4))) - 4/4) \\ &:= 5 + (((5 \times (5^5 - (5 \times 55))) - 5/5) + 5) \\ &:= (6 \times 6/(6 + 6)) + (6 \times (6 \times (6 \times 66))) \\ &:= (7 + 7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7) \\ &:= 88/8 + (((8 + 8) \times (888 + 8)) - 88) \\ &:= ((9 + 9 + 9)/9) + ((9 + 9) \times (99 \times (9 - 9/9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14260 &:= 1 + (1 + (((1 + 1)^{11}) + (11 \times (1111 - 1)))) \\ &:= 2 \times ((22 \times (((2^2+2) + 2)^2)) + 2) \\ &:= 3 + (((3 + 3)^3) \times (33 + 33)) + 3/3 \\ &:= 4 + (4 \times (44 \times ((4 - 4/4)^4))) \\ &:= 5 + ((5 \times (5^5 - (5 \times 55))) + 5) \\ &:= 6 + ((6 \times (6 \times (6 \times 66))) - ((6 + 6)/6)) \\ &:= 7/7 + ((7 + 7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7)) \\ &:= 8 + (((8 + 8) \times 888) + (88/((8 + 8)/8))) \\ &:= 99 + (((99/9) + 99) + 9)^{(9+9)/9} \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14261 &:= 111 + (((11^{1+1}) - (1+1))^{1+1}) - 11 \\
&:= 2 + (((222/2)^2) + ((2 \times 22)^2) + 2) \\
&:= 3 + (((3+3)^3) \times (33+33) - 3/3) + 3 \\
&:= 4 + ((4 \times (44 \times ((4-4/4)^4))) + 4/4) \\
&:= (55/5) + (5 \times (5^5 - (5 \times 55))) \\
&:= 6 + ((6 \times (6 \times (6 \times 66))) - 6/6) \\
&:= ((7+7)/7) + ((7+7+7) \times ((7 \times (7 \times (7+7))) - 7)) \\
&:= 8 \times 8 + (((8+8) \times 888) - 88/8) \\
&:= 9 + (((9+9)/9) \times ((99 \times (9 \times 9) - 9) - ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14262 &:= 1 + (111 + (((11^{1+1}) - (1+1))^{1+1}) - 11) \\
&:= 2 + (2 \times ((22 \times ((2^{2+2}) + 2)^2) + 2)) \\
&:= 3 + (((3+3)^3) \times (33+33) + 3) \\
&:= 4 + ((4 \times (44 \times ((4-4/4)^4))) + ((4+4)/4)) \\
&:= ((55+5)/5) + (5 \times (5^5 - (5 \times 55))) \\
&:= 6 + (6 \times (6 \times (6 \times 66))) \\
&:= ((7+7+7)/7) + ((7+7+7) \times ((7 \times (7 \times (7+7))) - 7)) \\
&:= 8 \times 8 + (((8+8) \times 888) + ((8-88)/8)) \\
&:= 9 + (((9+9) \times (99 \times (9-9/9))) - ((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14263 &:= ((11-1-1) \times (1 + (11 \times ((1+11)^{1+1})))) - (1+1) \\
&:= 22 + (((22/2)^{2+2}) - ((22-2)^2)) \\
&:= 3 + (((3+3)^3) \times (33+33) + 3/3) + 3 \\
&:= 4 + (((4 \times (44 \times ((4-4/4)^4))) - 4/4) + 4) \\
&:= ((55+5+5)/5) + (5 \times (5^5 - (5 \times 55))) \\
&:= 6 + ((6 \times (6 \times (6 \times 66))) + 6/6) \\
&:= 7 + ((77/7) \times ((7-7/7)^{77/7-7})) \\
&:= 8 \times 8 + (((8+8) \times 888) - (8/8+8)) \\
&:= 9 + (((9+9)/9) \times ((99 \times (9 \times 9) - 9) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14264 &:= ((11-1-1) \times (1 + (11 \times ((1+11)^{1+1})))) - 1 \\
&:= 2 \times (((22 \times ((2^{2+2}) + 2)^2) + 2) + 2) \\
&:= 3 \times 3 + (((3+3)^3) \times (33+33) - 3/3) \\
&:= 4 + ((4 \times (44 \times ((4-4/4)^4))) + 4) \\
&:= (5 \times ((5^5 - (5 \times 55)) + 5)) - (55/5) \\
&:= 6 + ((6 \times (6 \times (6 \times 66))) + ((6+6)/6)) \\
&:= 7 + (((7+7)/7)^7) \times (777/7) + (7 \times 7) \\
&:= 8 \times 8 + (((8+8) \times 888) - 8) \\
&:= (9-9/9) \times (((9+9) \times 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14265 &:= (11-1-1) \times (1 + (11 \times ((1+11)^{1+1}))) \\
&:= ((22+2)^2) + (((22/2)^2) - (2+2)^2) \\
&:= 3 \times ((33 \times ((3+3) \times (3^3-3))) + 3) \\
&:= 4 + (((4 \times (44 \times ((4-4/4)^4))) + 4/4) + 4) \\
&:= 5 + (((5 \times (5^5 - (5 \times 55))) + 5) + 5) \\
&:= 6 + ((6 \times (6 \times (6 \times 66))) + (6 \times 6/(6+6))) \\
&:= 7 + (((7+7+7) \times ((7 \times (7 \times (7+7))) - 7)) - 7/7) \\
&:= 8/8 + (((8+8) \times 888) - 8) + (8 \times 8) \\
&:= 9 + ((9+9) \times (99 \times (9-9/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14266 &:= (11 \times (1 + (((1+1+1) \times (1+11))^{1+1}))) - 1 \\
&:= 2 + (2 \times (((22 \times ((2^{2+2}) + 2)^2) + 2) + 2)) \\
&:= 3 \times 3 + (((3+3)^3) \times (33+33) + 3/3) \\
&:= ((44-4)/4) + (4 \times (44 \times ((4-4/4)^4))) \\
&:= 5 + ((5 \times (5^5 - (5 \times 55))) + (55/5)) \\
&:= ((66-6)/6) + (6 \times (6 \times (6 \times 66))) \\
&:= 7 + ((7+7+7) \times ((7 \times (7 \times (7+7))) - 7)) \\
&:= 8 \times 8 + (((8+8) \times 888) - 8) + ((8+8)/8) \\
&:= 9 + (((9+9) \times (99 \times (9-9/9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14267 &:= 11 \times (1 + (((1+1+1) \times (1+11))^{1+1})) \\
&:= (22/2) \times (((2+2+2)^{2+2}) + 2/2) \\
&:= (33/3) + (((3+3)^3) \times (33+33)) \\
&:= (44/4) + (4 \times (44 \times ((4-4/4)^4))) \\
&:= 5 + ((5 \times (5^5 - (5 \times 55))) + ((55+5)/5)) \\
&:= (66/6) + (6 \times (6 \times (6 \times 66))) \\
&:= 7 + (((7+7+7) \times ((7 \times (7 \times (7+7))) - 7)) + 7/7) \\
&:= (88/8) \times ((88 \times (8+8)) - (888/8)) \\
&:= (99/9) + ((9+9) \times (99 \times (9-9/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14268 &:= ((1+1)^{11}) + ((11 \times 1111) - 1) \\
&:= 2 \times (((2^{2+2}) \times (2 \times 222 + 2)) - 2) \\
&:= 3 + (((3+3)^3) \times (33+33) + 3 \times 3) \\
&:= 44 + (4 \times ((4+4) \times 444) + 4) \\
&:= ((555/5) + 5) \times ((5 \times 5 \times 5) - ((5+5)/5)) \\
&:= 6 + ((6 \times (6 \times (6 \times 66))) + 6) \\
&:= 7 + (((7+7+7) \times ((7 \times (7 \times (7+7))) - 7)) + (7+7)/7) \\
&:= 8 \times 8 + (((8+8) \times 888) - (8 \times 8/(8+8))) \\
&:= ((99+9)/9) + ((9+9) \times (99 \times (9-9/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14269 &:= ((1+1)^{11}) + (11 \times 1111) \\
&:= 2 + ((22/2) \times (((2+2+2)^{2+2}) + 2/2)) \\
&:= 33 \times 333 + (((3^{3 \times 3}) - 3)/(3+3)) \\
&:= 44 + ((4 \times ((4+4) \times 444) + 4) + 4/4) \\
&:= (5 \times ((5^5 - (5 \times 55)) + 5)) - (5/5+5) \\
&:= 6 + (((6 \times (6 \times (6 \times 66))) + 6/6) + 6) \\
&:= ((77-7)/7) + ((7+7+7) \times ((7 \times (7 \times (7+7))) - 7)) \\
&:= 8 + (((8+8) \times 888) - 88/8) + (8 \times 8) \\
&:= 9 + (((99/9) + 99) + 9)^{(9+9)/9} + 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14270 &:= 1 + (((1+1)^{11}) + (11 \times 1111)) \\
&:= (2 \times ((2^{2+2}) \times (2 \times 222 + 2))) - 2 \\
&:= 3 + (((3+3)^3) \times (33+33) + (33/3)) \\
&:= ((44/4)^4) - (((444/4) + 4^4) + 4) \\
&:= (5 \times ((5^5 - (5 \times 55)) + 5)) - 5 \\
&:= 6 + (((6 \times (6 \times (6 \times 66))) + ((6+6)/6)) + 6) \\
&:= (77/7) + ((7+7+7) \times ((7 \times (7 \times (7+7))) - 7)) \\
&:= 8 \times 8 + (((8+8) \times 888) - ((8+8)/8)) \\
&:= ((9+9)/9) \times (((99 \times (9 \times 9) - 9) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14271 &:= 1 + (1 + (((1 + 1)^{11}) + (11 \times 1111))) \\
 &:= ((222 - 2)/2) + (((22/2)^2) - 2)^2 \\
 &:= (((3 + 3)^3) - 3) \times (((3/3 + 3)^3) + 3) \\
 &:= ((4^4 - 4)/4) + (4 \times ((4 + 4) \times 444)) \\
 &:= 5/5 + ((5 \times ((5^5 - (5 \times 55)) + 5)) - 5) \\
 &:= 6 + (((6 \times (6 \times (6 \times 66))) + (6 \times 6/(6 + 6))) + 6) \\
 &:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (((7 + 7)/7)^7) + 7 \\
 &:= 8 \times 8 + (((8 + 8) \times 888) - 8/8) \\
 &:= ((9 \times 9) - (9/9 + 9)) \times (((999/9) + (9 \times 9)) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14272 &:= 111 + (((11^{1+1}) - (1 + 1))^{1+1}) \\
 &:= 2 \times ((2^{2+2}) \times (2 \times 222 + 2)) \\
 &:= 3/3 + (((3 + 3)^3) - 3) \times (((3/3 + 3)^3) + 3) \\
 &:= 4 \times ((44 \times ((4 - 4/4)^4) + 4) \\
 &:= ((5 + 5)/5) + ((5 \times ((5^5 - (5 \times 55)) + 5)) - 5) \\
 &:= 6 + ((6 \times (6 \times (6 \times 66))) + ((66 - 6)/6)) \\
 &:= 7 + (((7 + 7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7)) - 7/7) + 7 \\
 &:= 8 \times 8 + ((8 + 8) \times 888) \\
 &:= (9 - 9/9) \times (((9 + 9) \times 99) + ((9 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14273 &:= 1 + (111 + (((11^{1+1}) - (1 + 1))^{1+1})) \\
 &:= 2/2 + (2 \times ((2^{2+2}) \times (2 \times 222 + 2))) \\
 &:= ((3 + 3) \times ((3 \times (33 \times (3^3 - 3))) + 3)) - 3/3 \\
 &:= 4/4 + (4 \times ((44 \times ((4 - 4/4)^4) + 4) \\
 &:= (5 \times ((5^5 - (5 \times 55)) + 5)) - ((5 + 5)/5) \\
 &:= 6 + ((6 \times (6 \times (6 \times 66))) + (66/6)) \\
 &:= 7 + (((7 + 7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7)) + 7) \\
 &:= 8/8 + (((8 + 8) \times 888) + (8 \times 8)) \\
 &:= 9 + ((9 - 9/9) \times (((9 + 9) \times 99) + 9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14274 &:= (1 + 1 + 11) \times (1111 - (1 + 1 + 11)) \\
 &:= 2 + (2 \times ((2^{2+2}) \times (2 \times 222 + 2))) \\
 &:= (3 + 3) \times ((3 \times (33 \times (3^3 - 3))) + 3) \\
 &:= ((44/4)^4) - ((444/4) + 4^4) \\
 &:= (5 \times ((5^5 - (5 \times 55)) + 5)) - 5/5 \\
 &:= 6 + (((6 \times (6 \times (6 \times 66))) + 6) + 6) \\
 &:= 7 + (((7 + 7 + 7) \times ((7 \times (7 \times (7 + 7))) - 7)) + 7/7) + 7 \\
 &:= 8 \times 8 + (((8 + 8) \times 888) + ((8 + 8)/8)) \\
 &:= 9 + (((9 + 9) \times (99 \times (9 - 9/9))) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14275 &:= (((1 + 1 + 11)^{1+1+1+1}) - 11)/(1 + 1) \\
 &:= 2 + (2 \times ((2^{2+2}) \times (2 \times 222 + 2))) + 2/2 \\
 &:= ((33/3) \times (((33/3)^3) - 33)) - 3 \\
 &:= 4 + ((4 \times ((4 + 4) \times 444)) + ((4^4 - 4)/4)) \\
 &:= 5 \times ((5^5 - (5 \times 55)) + 5) \\
 &:= 6 + (((6 \times (6 \times (6 \times 66))) + 6/6) + 6) + 6 \\
 &:= (7 \times (((7 + 7)/7)^{77/7} - 7)) - ((77 + 7)/7) \\
 &:= 8 \times 8 + (((8 + 8) \times 888) - 8) + (88/8) \\
 &:= 9 + (((9 + 9) \times (99 \times (9 - 9/9))) + 9/9) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14276 &:= 1 + (((1 + 1 + 11)^{1+1+1+1}) - 11)/(1 + 1) \\
 &:= 2 \times (((2^{2+2}) \times (2 \times 222 + 2)) + 2) \\
 &:= 33 + (((3^3 - 3/3)^3) - 3333) \\
 &:= 4 + (4 \times ((44 \times ((4 - 4/4)^4) + 4)) \\
 &:= 5/5 + (5 \times ((5^5 - (5 \times 55)) + 5)) \\
 &:= 6 + (((6 \times (6 \times (6 \times 66))) + ((6 + 6)/6)) + 6) + 6 \\
 &:= ((7/7 - 7) + (7 \times 7)) \times (7 \times 7 \times 7 - (77/7)) \\
 &:= 8 \times 8 + (((8 + 8) \times 888) + (8 \times 8/(8 + 8))) \\
 &:= 9 + (((9 + 9) \times (99 \times (9 - 9/9))) + (99/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14277 &:= (11 \times (11 \times ((11^{1+1}) - (1 + 1 + 1)))) - 1 \\
 &:= (22 \times (((2 + 2 + 2)^{2+2}) + 2)/2) - 2/2 \\
 &:= 3 + ((3 + 3) \times ((3 \times (33 \times (3^3 - 3))) + 3)) \\
 &:= 4 + ((4 \times ((44 \times ((4 - 4/4)^4) + 4)) + 4/4) \\
 &:= ((5 + 5)/5) + (5 \times ((5^5 - (5 \times 55)) + 5)) \\
 &:= (6 \times (6 \times (6 \times 66))) + ((6 \times 6 + 6)/(6 + 6)/6) \\
 &:= (((7 + 7)/7)^{7+7} + (7 \times ((7 \times (7 - (7 \times 7))) - 7)) \\
 &:= 88 + (((8 + 8) \times 888) - ((88/8) + 8)) \\
 &:= 9 + (((9 + 9) \times (99 \times (9 - 9/9))) + ((99 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14278 &:= 11 \times (11 \times ((11^{1+1}) - (1 + 1 + 1))) \\
 &:= 22 \times (((2 + 2 + 2)^{2+2}) + 2)/2 \\
 &:= (33/3) \times (((33/3)^3) - 33) \\
 &:= 4 + (((44/4)^4) - ((444/4) + 4^4)) \\
 &:= 5 + ((5 \times ((5^5 - (5 \times 55)) + 5)) - ((5 + 5)/5)) \\
 &:= (66/6) \times ((6 \times 6 \times 6 \times 6) + ((6 + 6)/6)) \\
 &:= ((777/7) + 7) \times (((7 + 7)/7)^7) - 7 \\
 &:= 8 + (((8 + 8) \times 888) - ((8 + 8)/8)) + (8 \times 8) \\
 &:= (99/9) \times (((9 + 9) \times (9 \times 9) - 9)) + ((9 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14279 &:= (111 - (1 + 1)) \times ((11 \times (1 + 11)) - 1) \\
 &:= 22 + (((222/2)^2) + ((2 \times 22)^2)) \\
 &:= 3/3 + ((33/3) \times (((33/3)^3) - 33)) \\
 &:= ((4 - (4 \times 4^4)) \times (((4 + 4)/4) - 4 \times 4)) - 4/4 \\
 &:= 5 + ((5 \times ((5^5 - (5 \times 55)) + 5)) - 5/5) \\
 &:= 6 + (((6 \times (6 \times (6 \times 66))) + (66/6)) + 6) \\
 &:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) - (7/7 + 77) \\
 &:= 8 + (((8 + 8) \times 888) - 8/8) + (8 \times 8) \\
 &:= ((9/9 + 99) + 9) \times (((999 + 99)/9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14280 &:= ((1 + 1)^{11}) + (11 \times (1 + 1111)) \\
 &:= 2 + (22 \times (((2 + 2 + 2)^{2+2}) + 2)/2) \\
 &:= 3^3 + (((3 + 3)^3) \times (33 + 33)) - 3 \\
 &:= (4 - (4 \times 4^4)) \times (((4 + 4)/4) - 4 \times 4) \\
 &:= 5 + (5 \times ((5^5 - (5 \times 55)) + 5)) \\
 &:= (6 \times ((6 \times (6 \times 66)) + 6)) - (6 + 6) \\
 &:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) - 77 \\
 &:= 8 + (((8 + 8) \times 888) + (8 \times 8)) \\
 &:= (9 - 9/9) \times (((9 + 9) \times 99) + ((9 + 9 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14281 &:= (1 + ((1 + 1 + 11)^{1+1+1+1})) / (1 + 1) \\
&:= 2 + ((22 \times (((2 + 2 + 2)^{2+2}) + 2) / 2) + 2 / 2) \\
&:= 3 + ((33 / 3) \times (((33 / 3)^3) - 33)) \\
&:= ((44 / 4)^4) - (((4 + 4) \times 44) + 4) + 4 \\
&:= 5 + ((5 \times ((5^5 - (5 \times 55)) + 5)) + 5 / 5) \\
&:= (6 \times ((6 \times (6 \times 66)) + 6)) - (66 / 6) \\
&:= 7 / 7 + ((7 \times ((7 \times (7 \times (7 \times 7) - 7))) - 7)) - 77 \\
&:= 8 + (((8 + 8) \times 888) + 8 / 8) + (8 \times 8) \\
&:= 9 + ((9 - 9 / 9) \times (((9 + 9) \times 99) + ((9 + 9) / 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14282 &:= 1 + ((1 + ((1 + 1 + 11)^{1+1+1+1})) / (1 + 1)) \\
&:= ((22 / 2)^2) + (((22 / 2)^2) - 2)^2 \\
&:= 3^3 + (((3 + 3)^3) \times (33 + 33)) - 3 / 3 \\
&:= 4 + (((44 / 4)^4) - ((444 / 4) + 4^4)) + 4 \\
&:= (((5 + 5) / 5)^5) + (5 \times (5^5 - (5 \times 55))) \\
&:= ((6 - 66) / 6) + (6 \times ((6 \times (6 \times 66)) + 6)) \\
&:= ((7 + 7) / 7) + ((7 \times ((7 \times (7 \times (7 \times 7) - 7))) - 7)) - 77 \\
&:= 8 + (((8 + 8) \times 888) + ((8 + 8) / 8)) + (8 \times 8) \\
&:= 9 + (((9 - 9 / 9) \times (((9 + 9) \times 99) + 9 / 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14283 &:= 1 + (1 + ((1 + ((1 + 1 + 11)^{1+1+1+1})) / (1 + 1))) \\
&:= (2 / 2 + 2) \times (((2 / 2 + 2) \times (22 + 2 / 2))^2) \\
&:= 3 \times (((33 + 33) + 3)^{3-3/3}) \\
&:= 44 + (((4 + 4) \times ((4 \times 444) + 4)) - 4 / 4) \\
&:= (((5^5 + 5) / 5) - 5) \times ((5 \times 5) - ((5 + 5) / 5)) \\
&:= (((6 - 66) + 6) / 6) + (6 \times ((6 \times (6 \times 66)) + 6)) \\
&:= 7 + (((7 / 7 - 7) + (7 \times 7)) \times (7 \times 7 \times 7 - (77 / 7))) \\
&:= 8 \times 8 + (((8 + 8) \times 888) + (88 / 8)) \\
&:= 999 + ((9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14284 &:= 1 + (1 + (1 + ((1 + ((1 + 1 + 11)^{1+1+1+1})) / (1 + 1)))) \\
&:= 2 + (((((22 / 2)^2) - 2)^2) + ((22 / 2)^2)) \\
&:= 3 + (((33 / 3) \times (((33 / 3)^3) - 33)) + 3) \\
&:= 44 + ((4 + 4) \times ((4 \times 444) + 4)) \\
&:= 5 + (((5 \times ((5^5 - (5 \times 55)) + 5)) - 5 / 5) + 5) \\
&:= (((6 + 6) / 6)^6) + (6 \times ((6 \times (6 \times 66)) - 6)) \\
&:= 7 + ((7 \times ((7 \times (7 - (7 \times 7))) - 7)) + (((7 + 7) / 7)^{7+7})) \\
&:= 8 \times 8 + (((8 + 8) \times 888) + ((88 + 8) / 8)) \\
&:= 9 / 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14285 &:= ((1 + 1 + 11) \times (1111 - (1 + 11))) - (1 + 1) \\
&:= 2 + ((2 / 2 + 2) \times (((2 / 2 + 2) \times (22 + 2 / 2))^2)) \\
&:= 3 + (((((3 + 3)^3) \times (33 + 33)) - 3 / 3) + 3^3) \\
&:= ((44 / 4)^4) - (((4 + 4) \times 44) + 4) \\
&:= 5 + ((5 \times ((5^5 - (5 \times 55)) + 5)) + 5) \\
&:= (6 \times ((6 \times (6 \times 66)) + 6)) - (6 / 6 + 6) \\
&:= 77 + (((7 + 7) / 7)^7) \times (777 / 7) \\
&:= 88 + (((8 + 8) \times 888) - 88 / 8) \\
&:= 9 + (((9 + 9) \times (99 \times (9 - 9 / 9))) + (99 / 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14286 &:= (11 + ((1 + 1 + 11)^{1+1+1+1})) / (1 + 1) \\
&:= 22^2 + (((22 + 2)^{2/2+2}) - 22) \\
&:= 3 + (((3 + 3)^3) \times (33 + 33)) + 3^3 \\
&:= 4 / 4 + (((44 / 4)^4) - (((4 + 4) \times 44) + 4)) \\
&:= (55 / 5) + (5 \times ((5^5 - (5 \times 55)) + 5)) \\
&:= (6 \times ((6 \times (6 \times 66)) + 6)) - 6 \\
&:= (7 \times (((7 + 7) / 7)^{77/7}) - 7) - 7 / 7 \\
&:= 88 + (((8 + 8) \times 888) + ((8 - 88) / 8)) \\
&:= 9 + (((9 + 9) \times (99 \times (9 - 9 / 9))) + ((99 + 9) / 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14287 &:= (1 + 1 + 11) \times (1111 - (1 + 11)) \\
&:= ((22 / 2)^{2+2}) - ((22 \times (2^{2+2})) + 2) \\
&:= 3 \times 3 + ((33 / 3) \times (((33 / 3)^3) - 33)) \\
&:= 444 / 4 + ((4 + 4) \times ((4 \times 444) - 4)) \\
&:= 5 + ((5 \times (5^5 - (5 \times 55))) + (((5 + 5) / 5)^5)) \\
&:= 6 / 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) - 6) \\
&:= 7 \times (((7 + 7) / 7)^{77/7}) - 7 \\
&:= 88 + (((8 + 8) \times 888) - (8 / 8 + 8)) \\
&:= 9 + ((99 / 9) \times (((9 + 9) \times ((9 \times 9) - 9)) + ((9 + 9) / 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14288 &:= (((11^{1+1}) - 1)^{1+1}) - (1 + 111) \\
&:= 2 \times (2 \times (2 \times ((2 \times 22 - 2)^2) + 22)) \\
&:= 33 + (((3 + 3)^3) \times (33 + 33)) - 3 / 3 \\
&:= 4 \times (((44 \times ((4 - 4 / 4)^4) + 4) + 4) \\
&:= 5 + (((5^5 + 5) / 5) - 5) \times ((5 \times 5) - ((5 + 5) / 5)) \\
&:= ((6 + 6) / 6) + ((6 \times ((6 \times (6 \times 66)) + 6)) - 6) \\
&:= 7 / 7 + (7 \times (((7 + 7) / 7)^{77/7}) - 7) \\
&:= 88 + (((8 + 8) \times 888) - 8) \\
&:= ((9 - ((9 + 9) / 9)) + 9) \times (((9 + 9) / 9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14289 &:= (((11^{1+1}) - 1)^{1+1}) - 111 \\
&:= ((22 / 2)^{2+2}) - (22 \times (2^{2+2})) \\
&:= 33 + (((3 + 3)^3) \times (33 + 33)) \\
&:= ((44 / 4)^4) - ((4 + 4) \times 44) \\
&:= (55 / 5) \times (((5 - 5 / 5)^5) + (5 \times 55)) \\
&:= (66 \times 6 / (6 + 6)) + (6 \times (6 \times (6 \times 66))) \\
&:= ((7 + 7) / 7) + (7 \times (((7 + 7) / 7)^{77/7}) - 7) \\
&:= 8 / 8 + (((8 + 8) \times 888) - 8) + 88 \\
&:= 9 + ((9 - 9 / 9) \times (((9 + 9) \times 99) + ((9 + 9 + 9) / 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14290 &:= 1 + (((11^{1+1}) - 1)^{1+1}) - 111 \\
&:= 2 + (2 \times (2 \times (2 \times ((2 \times 22 - 2)^2) + 22))) \\
&:= 3 / 3 + (((3 + 3)^3) \times (33 + 33)) + 33 \\
&:= 4 / 4 + (((44 / 4)^4) - ((4 + 4) \times 44)) \\
&:= 5 + (((5 \times ((5^5 - (5 \times 55)) + 5)) + 5) + 5) \\
&:= (6 \times ((6 \times (6 \times 66)) + 6)) - ((6 + 6) / 6) \\
&:= ((7 + 7 + 7) / 7) + (7 \times (((7 + 7) / 7)^{77/7}) - 7) \\
&:= 88 + (((8 + 8) \times 888) - 8) + ((8 + 8) / 8) \\
&:= 9 + (((9 - 9 / 9) \times (((9 + 9) \times 99) + ((9 + 9) / 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14291 &:= 1 + (1 + (((11^{1+1}) - 1)^{1+1}) - 111)) \\
&:= 2 + (((22/2)^{2+2}) - (22 \times (2^{2+2}))) \\
&:= ((33/3)^3) + (((3+3)^3) \times (3^3 + 33)) \\
&:= ((4+4)/4) + (((44/4)^4) - ((4+4) \times 44)) \\
&:= 55 + (55555/5 + 5^5) \\
&:= (6 \times ((6 \times (6 \times 66)) + 6)) - 6/6 \\
&:= ((77/7)^{77/7-7}) - (7 \times 7 \times 7 + 7) \\
&:= 8 + (((8+8) \times 888) + (88/8)) + (8 \times 8) \\
&:= 9 + (((9-9/9) \times ((9+9) \times 99) + 9/9)) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14292 &:= 1 + (1 + (1 + (((11^{1+1}) - 1)^{1+1}) - 111))) \\
&:= 2 \times ((2 \times (2 \times (((2 \times 22 - 2)^2) + 22))) + 2) \\
&:= (3 \times 3 + 3) \times ((33 \times (33 + 3)) + 3) \\
&:= (4 \times ((4+4) \times (444 + 4))) - 44 \\
&:= ((5+5)/5) \times (((5/5 + 5)^5) - ((5^5/5) + 5)) \\
&:= 6 \times ((6 \times (6 \times 66)) + 6) \\
&:= 7 + (((((7+7)/7)^7) \times (777/7)) + 77) \\
&:= 88 + (((8+8) \times 888) - (8 \times 8/(8+8))) \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9)) + 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14293 &:= (11 \times (1 + 11)) + (((11^{1+1}) - (1 + 1))^{1+1}) \\
&:= (22 \times (2 + 2 + 2)) + (((22/2)^2) - 2^2) \\
&:= 3/3 + ((3 \times 3 + 3) \times ((33 \times (33 + 3)) + 3)) \\
&:= 4 + (((44/4)^4) - ((4+4) \times 44)) \\
&:= (5 \times 5^5) - (((55+5)/5) \times (555/5)) \\
&:= 6/6 + (6 \times ((6 \times (6 \times 66)) + 6)) \\
&:= 7 + (7 \times (((7+7)/7)^{77/7} - 7)) - 7/7 \\
&:= 8 + (((8+8) \times 888) - 88/8) + 88 \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9)) + 9)) + 999) + 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14294 &:= (1 + 1 + 1 + 11) \times (((1 + 1)^{11-1}) - (1 + 1 + 1)) \\
&:= 22 + (2 \times ((2^{2+2}) \times (2 \times 22 + 2))) \\
&:= (((3-3/3) + 3)^{3+3}) - ((33/3)^3) \\
&:= 4 + (((44/4)^4) - ((4+4) \times 44)) + 4/4 \\
&:= (5 \times 5^5) - ((55/5)^{5-(5+5)/5}) \\
&:= ((6+6)/6) + (6 \times ((6 \times (6 \times 66)) + 6)) \\
&:= 7 + (7 \times (((7+7)/7)^{77/7} - 7)) \\
&:= 88 + (((8+8) \times 888) - ((8+8)/8)) \\
&:= (99/9) + (((9+9) \times ((9 \times (9 \times 9)) + 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14295 &:= 1 + ((1 + 1 + 1 + 11) \times (((1 + 1)^{11-1}) - (1 + 1 + 1))) \\
&:= 2 + (((((22/2)^2) - 2)^2) + (22 \times (2 + 2 + 2))) \\
&:= 3 + ((3 \times 3 + 3) \times ((33 \times (33 + 3)) + 3)) \\
&:= (4/4 + 4) \times (((44 \times (4^4 + 4)) - 4)/4) \\
&:= (55 \times (5 \times 55 - 5)) - 555 \\
&:= (6 \times 6/(6+6)) + (6 \times ((6 \times (6 \times 66)) + 6)) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (777/7) \\
&:= 88 + (((8+8) \times 888) - 8/8) \\
&:= (999/9) + ((9-9/9) \times ((9+9) \times 99) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14296 &:= ((1 + 1)^{11+1}) + (((1 + ((11 - 1)^{1+1}))^{1+1}) - 1) \\
&:= 2 \times (2 \times (((2^{2+2}) \times 222) + 22)) \\
&:= ((3^3 - 3/3)^3) + ((3 - (3^3 \times 3))/(3 + 3)) \\
&:= (4 + 4) \times ((4 \times 444) + 44/4) \\
&:= 5 + ((55555/5 + 5^5) + 55) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) - ((6+6)/6)) \\
&:= ((7 - 777)/7) + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
&:= 88 + ((8+8) \times 888) \\
&:= (9 - 9/9) \times (((9 \times 9 + 9)/(9 + 9)) + ((9 + 9) \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14297 &:= ((1 + 1)^{11+1}) + ((1 + ((11 - 1)^{1+1}))^{1+1}) \\
&:= 2/2 + (2 \times (2 \times (((2^{2+2}) \times 222) + 22))) \\
&:= 3 + (((3-3/3) + 3)^{3+3}) - ((33/3)^3) \\
&:= 4 + (((44/4)^4) - ((4+4) \times 44)) + 4 \\
&:= (((5^5 - 5)/5) \times ((5 \times 5) - ((5+5)/5))) - 55 \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) - 6/6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - (7 + 7))) - (77/7) \\
&:= 8/8 + (((8+8) \times 888) + 88) \\
&:= 9 + (((9 - ((9+9)/9)) + 9) \times (((9+9)/9) + (9 \times 99)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14298 &:= ((1 + 1 + 11) \times (1111 - 11)) - (1 + 1) \\
&:= (22 \times ((2 \times (((2^{2+2}) + 2)^2)) + 2)) - 2 \\
&:= 3 + (((3 \times 3 + 3) \times ((33 \times (33 + 3)) + 3)) + 3) \\
&:= ((44/4)^4) - (((4-4/4) + 4)^{4-4/4}) \\
&:= ((5+5)/5) \times ((55 \times (5 \times 5 \times 5 + 5)) - 5/5) \\
&:= 6 + (6 \times ((6 \times (6 \times 66)) + 6)) \\
&:= ((77/7)^{77/7-7}) - (7 \times 7 \times 7) \\
&:= 88 + (((8+8) \times 888) + ((8+8)/8)) \\
&:= ((9+9) \times ((9 \times (9 \times 9 + 9)) - 9)) - ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14299 &:= ((1 + 1 + 11) \times (1111 - 11)) - 1 \\
&:= (22 \times ((2 \times (((2^{2+2}) + 2)^2)) + 2)) - 2/2 \\
&:= ((33/3)^{3/3+3}) - (333 + 3 \times 3) \\
&:= ((4^4 + 4) \times ((44/4) + 44)) - 4/4 \\
&:= (5 \times (((5^5 - (5 \times 55)) + 5) + 5)) - 5/5 \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) + 6/6) \\
&:= 7 + (((((7+7)/7)^7) \times (777/7)) + 77) + 7 \\
&:= 88 + (((8+8) \times 888) - 8) + (88/8) \\
&:= ((9 \times 9) - ((9+9)/9)) \times ((9/9 + 99) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14300 &:= (1 + 1 + 11) \times (1111 - 11) \\
&:= 22 \times ((2 \times (((2^{2+2}) + 2)^2)) + 2) \\
&:= (33/3) \times (((3+3)^{3/3+3}) + 3/3 + 3) \\
&:= (4^4 + 4) \times ((44/4) + 44) \\
&:= 5 \times (((5^5 - (5 \times 55)) + 5) + 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) + ((6+6)/6)) \\
&:= ((7 - 7/7) + 7) \times ((7777 - 77)/7) \\
&:= 88 + (((8+8) \times 888) + (8 \times 8/(8+8))) \\
&:= (9/9 + 99) \times ((9 \times (9 + 9)) - ((9/9 + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14301 &:= 1 + ((1 + 1 + 11) \times (1111 - 11)) \\
&:= 2/2 + (22 \times ((2 \times ((2^{2+2} + 2)^2) + 2)) \\
&:= 3 \times (((3 + 3) \times ((33 \times (3^3 - 3)) + 3)) - 3) \\
&:= 4/4 + ((4^4 + 4) \times ((44/4) + 44)) \\
&:= 5/5 + (5 \times ((5^5 - (5 \times 55)) + 5) + 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) + (6 \times 6/(6 + 6))) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - (7 + 7))) - 7 \\
&:= 8 + (((((8 + 8) \times 888) - 88/8) + 88) + 8) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14302 &:= 1 + (1 + ((1 + 1 + 11) \times (1111 - 11))) \\
&:= 2 + (22 \times ((2 \times ((2^{2+2} + 2)^2) + 2)) \\
&:= ((33/3)^{3/3+3}) - (333 + 3 + 3) \\
&:= ((4 + 4)/4) + ((4^4 + 4) \times ((44/4) + 44)) \\
&:= ((5 + 5)/5) \times (((5/5 + 5)^5) - (5^5/5)) \\
&:= ((66 - 6)/6) + (6 \times ((6 \times (6 \times 66)) + 6)) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (777/7)) \\
&:= 8 + (((8 + 8) \times 888) - ((8 + 8)/8) + 88) \\
&:= 9/9 + (((99/9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14303 &:= 1 + (1 + (1 + ((1 + 1 + 11) \times (1111 - 11)))) \\
&:= ((22/2)^{2+2}) - (2 \times ((22/2) + 2)^2) \\
&:= ((3^3 - 3)^3) + (((3 - 3/3)^{3 \times 3}) - 33) \\
&:= ((4 + 4) \times ((4 \times (444 + 4)) - 4)) - 4/4 \\
&:= 55 + ((5 \times (5^5 - (5 \times 55))) - ((5 + 5)/5)) \\
&:= (66/6) + (6 \times ((6 \times (6 \times 66)) + 6)) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + ((7 - 777)/7)) \\
&:= 8 + (((8 + 8) \times 888) - 8/8) + 88 \\
&:= ((9 - 9/9) \times (((9 + 9) \times 99) - ((9 + 9)/9) + 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14304 &:= (1 + 11) \times (1111 + ((11 - 1 - 1)^{1+1})) \\
&:= (2^{2+2}) \times ((2 \times (2 \times 222 + 2)) + 2) \\
&:= ((33 \times 3^3) + 3) \times (3^3 - 33/3) \\
&:= (4 + 4) \times ((4 \times (444 + 4)) - 4) \\
&:= 55 + ((5 \times (5^5 - (5 \times 55))) - 5/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) + 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - (7 + 7))) - (77/7)) \\
&:= 8 + (((8 + 8) \times 888) + 88) \\
&:= ((99 + 9)/9) \times (9999/9 + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14305 &:= ((1 + 11)^{1+1}) + (((11^{1+1}) - (1 + 1))^{1+1}) \\
&:= ((2 \times (2 + 2 + 2))^2) + (((22/2)^2) - 2)^2 \\
&:= ((33/3)^{3/3+3}) - (333 + 3) \\
&:= 4 \times 4 + (((44/4)^4) - ((4 + 4) \times 44)) \\
&:= 55 + (5 \times (5^5 - (5 \times 55))) \\
&:= 6 + (((6 \times ((6 \times (6 \times 66)) + 6)) + 6/6) + 6) \\
&:= 7 + (((77/7)^{77/7-7}) - (7 \times 7 \times 7)) \\
&:= (88 \times 88) + (((88/8) - 8)^8) \\
&:= (9 \times (9 \times (9 \times 9))) + ((99 - (99/9))^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14306 &:= ((1 + 1 + 11) \times (1111 - (1 + 1))) - 111 \\
&:= 22^2 + (((22 + 2)^{2/2+2}) - 2) \\
&:= ((3^3 - 3/3)^3) - ((3 \times (33 \times 33)) + 3) \\
&:= ((4 + 4)/4) + ((4 + 4) \times ((4 \times (444 + 4)) - 4)) \\
&:= 55 + ((5 \times (5^5 - (5 \times 55))) + 5/5) \\
&:= 6 + (((6 \times ((6 \times (6 \times 66)) + 6)) + ((6 + 6)/6)) + 6) \\
&:= (7 \times (7 + 7)) + (((7 + 7)/7)^7) \times (777/7) \\
&:= 8 + (((8 + 8) \times 888) + ((8 + 8)/8)) + 88 \\
&:= ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14307 &:= (11^{1+1+1+1}) - (1 + ((1 + 1 + 1) \times 111)) \\
&:= 22^2 + (((22 + 2)^{2/2+2}) - 2/2) \\
&:= ((3^3 - 3)^3) + ((3 \times ((3 + 3) \times 3^3)) - 3) \\
&:= 4 + (((4 + 4) \times ((4 \times (444 + 4)) - 4)) - 4/4) \\
&:= (5^5/5) + (((((5 + 5)/5) + 5)^5) - 5^5) \\
&:= 6 + (((6 \times ((6 \times (6 \times 66)) + 6)) + (6 \times 6/(6 + 6))) + 6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - (7 + 7))) - 7/7 \\
&:= 88 + (((8 + 8) \times 888) + (88/8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14308 &:= (1 + 1 + 1 + 11) \times (((1 + 1)^{11-1}) - (1 + 1)) \\
&:= 22^2 + ((22 + 2)^{2/2+2}) \\
&:= ((33/3)^{3/3+3}) - 333 \\
&:= 4 + ((4 + 4) \times ((4 \times (444 + 4)) - 4)) \\
&:= ((5^5 + 5)/5) + (((((5 + 5)/5) + 5)^5) - 5^5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) + ((66 - 6)/6)) \\
&:= 7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - (7 + 7)) \\
&:= 88 + (((8 + 8) \times 888) + ((88 + 8)/8)) \\
&:= (((9/9 + 9) + 9) \times (((9 + 9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14309 &:= 1 + ((1 + 1 + 1 + 11) \times (((1 + 1)^{11-1}) - (1 + 1))) \\
&:= 2/2 + (((22 + 2)^{2/2+2}) + 22^2) \\
&:= ((3^3 - 3/3)^3) - (3 \times (33 \times 33)) \\
&:= 4 + (((4 + 4) \times ((4 \times (444 + 4)) - 4)) + 4/4) \\
&:= 5 + (((5 \times (5^5 - (5 \times 55))) - 5/5) + 55) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) + (66/6)) \\
&:= 7/7 + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - (7 + 7))) \\
&:= ((8 + 8) \times 888) + (8888/88) \\
&:= ((9 + 9 + 9) \times (((9 + 9)/9)^9) + 9) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14310 &:= (11 - 1) \times (1 + ((1 + 1 + 11) \times (111 - 1))) \\
&:= 2 + (((22 + 2)^{2/2+2}) + 22^2) \\
&:= 3 \times ((3 + 3) \times ((33 \times (3^3 - 3)) + 3)) \\
&:= (4/4 + 4) \times (((44 \times (4^4 + 4)) + 4) + 4/4) \\
&:= 5 + ((5 \times (5^5 - (5 \times 55))) + 55) \\
&:= 6 + (((6 \times ((6 \times (6 \times 66)) + 6)) + 6) + 6) \\
&:= ((7 + 7)/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - (7 + 7))) \\
&:= ((8 + 8) \times 888) + (((888 - 8)/8) - 8) \\
&:= (9 + 9 + 9) \times (((9 + 9)/9)^9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14311 &:= 11 + ((1 + 1 + 11) \times (1111 - 11)) \\
&:= 2 + (((22 + 2)^{2/2+2} + 22^2) + 2/2) \\
&:= 3 + (((33/3)^{3/3+3} - 333) \\
&:= (44/4) + ((4^4 + 4) \times ((44/4) + 44)) \\
&:= (55/5) \times (((5/5 + 5)^{5-5/5} + 5) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) - (66/6)) \\
&:= (7 \times 7 \times 7) + (((77/7 + 7) \times (777 - 7/7)) \\
&:= (888/8) + (((8 + 8) \times 888) - 8) \\
&:= 9/9 + ((9 + 9 + 9) \times (((9 + 9)/9)^9 + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14312 &:= ((1 + 1 + 11) \times (1 + (1111 - 11))) - 1 \\
&:= 2 + (((22 + 2)^{2/2+2} + 22^2) + 2) \\
&:= 3 + (((3^3 - 3/3)^3) - (3 \times (33 \times 33))) \\
&:= 4 + (((4 + 4) \times ((4 \times (444 + 4) - 4)) + 4) \\
&:= 5 + (((((5 + 5)/5) + 5)^5 - 5^5) + (5^5/5)) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) + ((6 - 66)/6)) \\
&:= ((777/7) \times (((7 + 7)/7)^7 + 7/7)) - 7 \\
&:= 8 + (((8 + 8) \times 888) + 88) + 8 \\
&:= (9 - 9/9) \times (((9 + 9) \times 99) - ((9 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14313 &:= (1 + 1 + 11) \times (1 + (1111 - 11)) \\
&:= ((22/2) + 2) \times (((2222 - 22) + 2)/2) \\
&:= 3 + ((3 \times ((3 + 3) \times 3^3)) + ((3^3 - 3)^3)) \\
&:= ((44/4)^4) - ((4 \times ((4 - 4/4)^4)) + 4) \\
&:= ((5^5 + 5)/(5 + 5)) + (5 \times (5 \times (555 + 5))) \\
&:= 66 + (((6 - 66) + 6)/6) + (6 \times (6 \times (6 \times 66))) \\
&:= 7 + (((((7 + 7)/7)^7) \times (777/7)) + (7 \times (7 + 7))) \\
&:= 8 + (((88/8) - 8)^8) + (88 \times 88) \\
&:= 9 + (((99 + 9)/9) \times (9999/9 + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14314 &:= 1 + ((1 + 1 + 11) \times (1 + (1111 - 11))) \\
&:= ((2^{2+2+2}) \times (222 + 2)) - 22 \\
&:= 3 + (((33/3)^{3/3+3} - 333) + 3) \\
&:= 4 + ((4/4 + 4) \times (((44 \times (4^4 + 4)) + 4) + 4)/4) \\
&:= ((555/5) \times (((5 \times 5 \times 5) - 5/5) + 5)) - 5 \\
&:= (((6 + 6)/6)^6) + ((6 \times (6 \times (6 \times 66))) - 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times (7 \times 7) - 7))) - (7 + 7))) - 7/7 \\
&:= ((8 + 8)/8) \times ((8 \times (888 + 8)) - 88/8) \\
&:= 9999/9 + (9 \times ((9 \times (9 \times (9 + 9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14315 &:= 1 + (1 + ((1 + 1 + 11) \times (1 + (1111 - 11)))) \\
&:= ((22/2)^{2+2}) - (((2^{2+2} + 2)^2) + 2) \\
&:= (3/3 + 3 + 3) \times (((3 - 3/3)^{3/3} - 3) \\
&:= (44/4) + ((4 + 4) \times ((4 \times (444 + 4) - 4)) \\
&:= 5 + (((5 \times (5^5 - (5 \times 55))) + 55) + 5) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) - (6/6 + 6)) \\
&:= 7 + (7 \times ((7 \times (7 \times (7 \times 7) - 7))) - (7 + 7))) \\
&:= 8 + (((8 + 8) \times 888) + (88/8) + 88) \\
&:= (9 \times ((9 \times (9 \times (9 + 9))) + 9)) + ((9999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14316 &:= 1 + (1 + (1 + ((1 + 1 + 11) \times (1 + (1111 - 11)))))) \\
&:= 2 + (((2^{2+2+2}) \times (222 + 2)) - 22) \\
&:= (333 \times ((3 \times 3 + 33) + 3/3)) - 3 \\
&:= (4 \times (((4 + 4) \times (444 + 4) - 4)) - 4) \\
&:= 5 + (55/5 \times (((5/5 + 5)^{5-5/5} + 5)) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) - 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times (7 \times 7) - 7))) - (7 + 7))) + 7/7 \\
&:= ((8 + 8) \times (888 + 8)) - (((88 + 8)/8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14317 &:= (111 \times ((11 \times (1 + 11)) - (1 + 1 + 1))) - (1 + 1) \\
&:= ((22/2)^{2+2}) - (((2^{2+2} + 2)^2) \\
&:= 3 \times 3 + (((33/3)^{3/3+3} - 333) \\
&:= ((44/4)^4) - (4 \times ((4 - 4/4)^4)) \\
&:= 5 + (((((5 + 5)/5) + 5)^5 - 5^5) + (5^5/5) + 5) \\
&:= 66 + (((6 \times (6 \times (6 \times 66))) - 6) + 6/6) \\
&:= 7 + ((7 \times ((7 \times (7 \times (7 \times 7) - 7))) - (7 + 7))) + (7 + 7)/7 \\
&:= ((8 + 8) \times (888 + 8)) - ((88/8) + 8) \\
&:= ((9 - 9/9) \times (((9 + 9) \times 99) + 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14318 &:= (111 \times ((11 \times (1 + 11)) - (1 + 1 + 1))) - 1 \\
&:= 2 + (((2^{2+2+2}) \times (222 + 2)) - 22) + 2 \\
&:= ((33/3)^3) + (333 \times ((33 + 3) + 3)) \\
&:= 4/4 + (((44/4)^4) - (4 \times ((4 - 4/4)^4))) \\
&:= 5 + ((5 \times (5 \times (555 + 5))) + ((5^5 + 5)/(5 + 5))) \\
&:= 66 + (((6 \times (6 \times (6 \times 66))) - 6) + ((6 + 6)/6)) \\
&:= (7 \times (7 \times (7 \times (7 \times 7) - 7))) - ((77/7) + 77) \\
&:= ((8 + 8) \times 888) + ((888 - 8)/8) \\
&:= (9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14319 &:= 111 \times ((11 \times (1 + 11)) - (1 + 1 + 1)) \\
&:= (222/2) \times (((2^{2 \times (2+2)}) + 2)/2) \\
&:= 333 \times ((3 \times 3 + 33) + 3/3) \\
&:= 444/4 + (4 \times ((4 + 4) \times 444)) \\
&:= (555/5) \times (((5 \times 5 \times 5) - 5/5) + 5) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) - (6 \times 6/(6 + 6))) \\
&:= (777/7) \times (((7 + 7)/7)^7 + 7/7) \\
&:= (888/8) + ((8 + 8) \times 888) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14320 &:= 1 + (111 \times ((11 \times (1 + 11)) - (1 + 1 + 1))) \\
&:= 2 \times (2 \times (2 \times (2 \times (2 \times (222 + 2)))) - 2)) \\
&:= 3/3 + (333 \times ((3 \times 3 + 33) + 3/3)) \\
&:= 4 \times (((4 + 4) \times (444 + 4)) - 4) \\
&:= (5 \times ((5 \times (5 - 55)) + 5^5)) - 55 \\
&:= (((6 + 6)/6)^6) + (6 \times (6 \times (6 \times 66))) \\
&:= 7/7 + ((777/7) \times (((7 + 7)/7)^7 + 7/7)) \\
&:= (8 + 8) \times ((888 - 8/8) + 8) \\
&:= (9 - 9/9) \times (((9 + 9) \times 99) - 9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14321 &:= ((1 + 1 + 1 + 11) \times (((1 + 1)^{11-1}) - 1)) - 1 \\
&:= 2 + ((222/2) \times (((2^{2 \times (2+2)}) + 2)/2)) \\
&:= 3333 + ((33 \times 333) - 3/3) \\
&:= ((44/4)^4) + ((4 + 4) \times (4 - 44)) \\
&:= (5 \times (5^5 - 55)) - ((5 - 5/5)^5 + 5) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) - 6/6) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - ((7/7 + 77) + 7) \\
&:= 8/8 + ((8 + 8) \times ((888 - 8/8) + 8)) \\
&:= 9 + ((9 - 9/9) \times (((9 + 9) \times 99) - ((9 + 9)/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14322 &:= (1 + 1 + 1 + 11) \times (((1 + 1)^{11-1}) - 1) \\
&:= 22 \times (((2 + 2 + 2)^{2+2} + 2)/2) + 2 \\
&:= 3333 + (33 \times 333) \\
&:= ((4 - 4^4)/4) + (((44/4)^4) - 4^4) \\
&:= (((5 - 5/5) + 5) + 5) \times (((5 - 5/5)^5) - 5/5) \\
&:= 66 + (6 \times (6 \times (6 \times 66))) \\
&:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) - (7 + 7)) \\
&:= ((8 + 8)/8) + ((8 + 8) \times ((888 - 8/8) + 8)) \\
&:= (99/9) \times (((99/9) \times (999/9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14323 &:= 1 + ((1 + 1 + 1 + 11) \times (((1 + 1)^{11-1}) - 1)) \\
&:= 2 + (((222/2) \times (((2^{2 \times (2+2)}) + 2)/2)) + 2) \\
&:= 3/3 + ((33 \times 333) + 3333) \\
&:= 4 + ((4 \times ((4 + 4) \times 444)) + (444/4)) \\
&:= 5^5 + (55/5 \times (((5 - 5/5)^5) - (5/5 + 5))) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) + 6/6) \\
&:= 7/7 + ((7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) - (7 + 7))) \\
&:= ((8 + 8) \times (888 + 8)) - ((88 + 8 + 8)/8) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) + 9)) + 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14324 &:= 1 + (1 + ((1 + 1 + 1 + 11) \times (((1 + 1)^{11-1}) - 1))) \\
&:= 2 + (((222 - 2)/2)^2) + 2222 \\
&:= 3 + (((33 \times 333) - 3/3) + 3333) \\
&:= 4 + (4 \times (((4 + 4) \times (444 + 4)) - 4)) \\
&:= (5 \times 5^5) - (((5/5 + 5)^{5-5/5}) + 5) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) + ((6 + 6)/6)) \\
&:= (7 \times (((7 + 7)/7)^{77/7}) - ((77 + 7)/7) \\
&:= ((8 + 8) \times (888 + 8)) - ((88 + 8)/8) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - (((9 + 9)/9)^{9-9/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14325 &:= (((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 11 \\
&:= ((2^{2+2+2}) \times (222 + 2)) - (22/2) \\
&:= 3 + ((33 \times 333) + 3333) \\
&:= 4 + (((4 + 4) \times (4 - 44)) + ((44/4)^4)) \\
&:= 5 \times (((5^5 - (5 \times 55)) + 5) + 5) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) + (6 \times 6/(6 + 6))) \\
&:= (7 \times (((7 + 7)/7)^{77/7}) - (77/7) \\
&:= ((8 + 8) \times (888 + 8)) - (88/8) \\
&:= ((9 - 9/9) \times (((9 + 9) \times 99) + 9)) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14326 &:= (1 + 1 + 11) \times (1 + (1 + (1111 - 11))) \\
&:= (((2 + 2 + 2)^2) \times (((22 - 2)^2) - 2)) - 2 \\
&:= (3 - 3/3) \times (((33/3)^3) + ((3 \times (3 + 3))^3)) \\
&:= 4 + (((44/4)^4) - 4^4) + ((4 - 4^4)/4) \\
&:= (5 \times (5^5 - 55)) - ((5 - 5/5)^5) \\
&:= 6 + ((6 \times (6 \times (6 \times 66))) + (((6 + 6)/6)^6)) \\
&:= (7 \times (7 \times (7 - (7 \times 7)))) + (((7 + 7)/7)^{7+7}) \\
&:= ((8 - 88)/8) + ((8 + 8) \times (888 + 8)) \\
&:= ((99 + 9 + 9)/9) \times (9999/9 - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14327 &:= 1 + ((1 + 1 + 11) \times (1 + (1 + (1111 - 11)))) \\
&:= (((2 + 2 + 2)^2) \times (((22 - 2)^2) - 2)) - 2/2 \\
&:= ((3^3 - 3)^3) + (((3 - 3/3)^{3 \times 3}) - 3 \times 3) \\
&:= (4 \times ((4 + 4) \times (444 + 4))) - ((4/4 + 4) + 4) \\
&:= 5/5 + ((5 \times (5^5 - 55)) - ((5 - 5/5)^5)) \\
&:= (6 \times (((6 \times (6 \times 66)) + 6) + 6)) - 6/6 \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (((7 + 7)/7) + 77) \\
&:= ((8 + 8) \times (888 + 8)) - (8/8 + 8) \\
&:= ((9 - 9/9) \times (((9 + 9) \times 99) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14328 &:= (((1 + 1)^{11}) - 1) \times (1 + ((1 + 1) \times (1 + 1 + 1))) - 1 \\
&:= ((2 + 2 + 2)^2) \times (((22 - 2)^2) - 2) \\
&:= (3^3 - 3) \times ((3 \times (33 \times (3 + 3))) + 3) \\
&:= (4 + 4) \times ((4 \times (444 + 4)) - 4/4) \\
&:= (5 \times 5^5) - (((5/5 + 5)^{5-5/5}) + 5/5) \\
&:= 6 \times (((6 \times (6 \times 66)) + 6) + 6) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (7/7 + 77) \\
&:= ((8 + 8) \times (888 + 8)) - 8 \\
&:= (9 - 9/9) \times (((9 + 9) \times 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14329 &:= (((1 + 1)^{11}) - 1) \times (1 + ((1 + 1) \times (1 + 1 + 1))) \\
&:= 2/2 + (((2 + 2 + 2)^2) \times (((22 - 2)^2) - 2)) \\
&:= 3/3 + ((3^3 - 3) \times ((3 \times (33 \times (3 + 3))) + 3)) \\
&:= ((4 - 4/4) + 4) \times ((4^4 \times (4 + 4)) - 4/4) \\
&:= (5 \times 5^5) - ((5/5 + 5)^{5-5/5}) \\
&:= ((6 - 6/6)^6) - (6 \times 6 \times 6 \times 6) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 77 \\
&:= 8/8 + (((8 + 8) \times (888 + 8)) - 8) \\
&:= 9/9 + ((9 - 9/9) \times (((9 + 9) \times 99) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14330 &:= 1 + (((1 + 1)^{11}) - 1) \times (1 + ((1 + 1) \times (1 + 1 + 1))) \\
&:= 2 + (((2 + 2 + 2)^2) \times (((22 - 2)^2) - 2)) \\
&:= ((3^3 - 3)^3) + (((3 - 3/3)^{3 \times 3}) - (3 + 3)) \\
&:= ((44/4)^4) - (((44/4) + 4^4) + 44) \\
&:= 55 + (5 \times ((5^5 - (5 \times 55)) + 5)) \\
&:= 6/6 + (((6 - 6/6)^6) - (6 \times 6 \times 6 \times 6)) \\
&:= 7/7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 77) \\
&:= ((8 + 8)/8) + (((8 + 8) \times (888 + 8)) - 8) \\
&:= ((9 + 9)/9) + ((9 - 9/9) \times (((9 + 9) \times 99) + 9))
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14331 &:= ((1 + 1 + 11) \times 1111) - (1 + 111) \\
 &:= 2 + (((2 + 2 + 2)^2) \times (((22 - 2)^2) - 2)) + 2/2 \\
 &:= 3 + ((3^3 - 3) \times ((3 \times (33 \times (3 + 3))) + 3)) \\
 &:= (4 \times ((4 + 4) \times (444 + 4))) - (4/4 + 4) \\
 &:= 5 + ((5 \times (5^5 - 55)) - ((5 - 5/5)^5)) \\
 &:= (666/6) + (6 \times ((6 \times (6 \times 66)) - 6)) \\
 &:= ((7 + 7)/7) + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 77) \\
 &:= 88/8 + ((8 + 8) \times ((888 - 8/8) + 8)) \\
 &:= 999 + (((99 + 9)/9) \times 9999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14332 &:= ((1 + 1 + 11) \times 1111) - 111 \\
 &:= 2 \times ((2 \times ((2^{2+2}) \times (222 + 2))) - 2) \\
 &:= 3 + (((3^3 - 3) \times ((3 \times (33 \times (3 + 3))) + 3)) + 3/3) \\
 &:= (4 \times ((4 + 4) \times (444 + 4))) - 4 \\
 &:= (((5 + 5)/5 + 5)^5) + (55 \times ((5 - 55) + 5)) \\
 &:= 6 + (((6 \times (6 \times (6 \times 66))) + (((6 + 6)/6)^6)) + 6) \\
 &:= 7 + ((7 \times (((7 + 7)/7)^{7/7})) - (77/7)) \\
 &:= ((8 + 8) \times (888 + 8)) - (8 \times 8/(8 + 8)) \\
 &:= 99 + ((9 \times (9 \times (9 \times (9 + 9)))) + 9999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14333 &:= 1 + (((1 + 1 + 11) \times 1111) - 111) \\
 &:= ((22/2)^{2+2}) + (22 \times (2 - (2^{2+2}))) \\
 &:= ((3^3 - 3)^3) + (((3 - 3/3)^{3 \times 3}) - 3) \\
 &:= 44 + (((44/4)^4) - ((4 + 4) \times 44)) \\
 &:= 5 + ((5 \times 5^5) - (((5/5 + 5)^{5-5/5}) + 5/5)) \\
 &:= 6 + ((6 \times (((6 \times (6 \times 66)) + 6) + 6)) - 6/6) \\
 &:= 7 + ((7 \times (7 \times (7 - (7 \times 7)))) + (((7 + 7)/7)^{7+7})) \\
 &:= 8 + (((8 + 8) \times (888 + 8)) - 88/8) \\
 &:= (99/9) \times (((9 + 9) \times ((9 \times 9) - 9)) - ((9 + 9)/9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14334 &:= (((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - (1 + 1) \\
 &:= ((2^{2+2+2}) \times (222 + 2)) - 2 \\
 &:= 3^{3 \times 3} - ((33 \times ((3 + 3) \times 3^3)) + 3) \\
 &:= (4 \times ((4 + 4) \times (444 + 4))) - ((4 + 4)/4) \\
 &:= 5 + ((5 \times 5^5) - ((5/5 + 5)^{5-5/5})) \\
 &:= 6 + (6 \times (((6 \times (6 \times 66)) + 6) + 6)) \\
 &:= (7 \times (((7 + 7)/7)^{7/7})) - ((7 + 7)/7) \\
 &:= ((8 + 8) \times (888 + 8)) - ((8 + 8)/8) \\
 &:= (((9 + 9)/9)^9) \times (((9/9 + 9) + 9)) - ((9 + 9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14335 &:= (((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 1 \\
 &:= ((2^{2+2+2}) \times (222 + 2)) - 2/2 \\
 &:= 3^3 + (((33/3)^{3/3+3}) - 333) \\
 &:= (4 \times ((4 + 4) \times (444 + 4))) - 4/4 \\
 &:= 5 + ((5 \times ((5^5 - (5 \times 55)) + 5)) + 55) \\
 &:= 6 + (((6 - 6/6)^6) - (6 \times 6 \times 6 \times 6)) \\
 &:= (7 \times (((7 + 7)/7)^{7/7})) - 7/7 \\
 &:= ((8 + 8) \times (888 + 8)) - 8/8 \\
 &:= (((9 + 9)/9)^9) \times (((9/9 + 9) + 9)) - 9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14336 &:= ((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1))) \\
 &:= (2^{2+2+2}) \times (222 + 2) \\
 &:= ((3^3 - 3)^3) + ((3 - 3/3)^{3 \times 3}) \\
 &:= 4 \times ((4 + 4) \times (444 + 4)) \\
 &:= ((5 - 5/5)^5) \times (((5 - 5/5) + 5) + 5) \\
 &:= (6/6 + 6) \times (((6 + 6)/6)^{66/6}) \\
 &:= 7 \times (((7 + 7)/7)^{7/7}) \\
 &:= (8 + 8) \times (888 + 8) \\
 &:= (((9 + 9)/9)^9) \times (((9/9 + 9) + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14337 &:= 1 + (((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
 &:= 2/2 + ((2^{2+2+2}) \times (222 + 2)) \\
 &:= 3 \times (3^3 \times ((3 \times (3^3 + 33)) - 3)) \\
 &:= 4/4 + (4 \times ((4 + 4) \times (444 + 4))) \\
 &:= ((5 - (5 + 5)/5)^5) \times ((55 - 5/5) + 5) \\
 &:= 6 + ((6 \times ((6 \times (6 \times 66)) - 6)) + 666/6) \\
 &:= 7/7 + (7 \times (((7 + 7)/7)^{7/7})) \\
 &:= 8/8 + ((8 + 8) \times (888 + 8)) \\
 &:= 9 + ((9 - 9/9) \times (((9 + 9) \times 99) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14338 &:= 1 + (1 + (((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
 &:= 2 + ((2^{2+2+2}) \times (222 + 2)) \\
 &:= 3/3 + (3 \times (3^3 \times ((3 \times (3^3 + 33)) - 3))) \\
 &:= ((4 + 4)/4) + (4 \times ((4 + 4) \times (444 + 4))) \\
 &:= (5 \times (55 + 5^5)) + ((5 - (5 \times 5^5))/(5 + 5)) \\
 &:= (66 + 6/6) \times ((6 \times 6 \times 6) - ((6 + 6)/6)) \\
 &:= ((7 + 7)/7) + (7 \times (((7 + 7)/7)^{7/7})) \\
 &:= ((8 + 8)/8) + ((8 + 8) \times (888 + 8)) \\
 &:= 9 + (((9 - 9/9) \times (((9 + 9) \times 99) + 9)) + 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14339 &:= 1 + (1 + (1 + (((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))))) \\
 &:= 2 + (((2^{2+2+2}) \times (222 + 2)) + 2/2) \\
 &:= 3 + (((3 - 3/3)^{3 \times 3}) + ((3^3 - 3)^3)) \\
 &:= 4 + ((4 \times ((4 + 4) \times (444 + 4))) - 4/4) \\
 &:= 5 + (((5 \times 5^5) - ((5/5 + 5)^{5-5/5})) + 5) \\
 &:= (66/6) + (6 \times (((6 \times (6 \times 66)) + 6) + 6)) \\
 &:= ((7 + 7 + 7)/7) + (7 \times (((7 + 7)/7)^{7/7})) \\
 &:= 88/8 + (((8 + 8) \times (888 + 8)) - 8) \\
 &:= (99/9) + ((9 - 9/9) \times (((9 + 9) \times 99) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14340 &:= 11 + (((1 + 1)^{11}) - 1) \times (1 + ((1 + 1) \times (1 + 1 + 1))) \\
 &:= 2 + (((2^{2+2+2}) \times (222 + 2)) + 2) \\
 &:= 3 + (3 \times (3^3 \times ((3 \times (3^3 + 33)) - 3))) \\
 &:= 4 + (4 \times ((4 + 4) \times (444 + 4))) \\
 &:= 5 \times (((5 - 5^5)/(5 + 5)) + 55) + 5^5 \\
 &:= 6 + ((6 \times (((6 \times (6 \times 66)) + 6) + 6)) + 6) \\
 &:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) - (77/7)) \\
 &:= (8 \times 8/(8 + 8)) + ((8 + 8) \times (888 + 8)) \\
 &:= (99/9 + 9) \times ((9 \times (9 \times 9)) - ((99 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14341 &:= ((1 + ((1 + 1)^{11})) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - (1 + 1) \\
&:= 2 + (((2^{2+2+2}) \times (222 + 2)) + 2/2) + 2) \\
&:= ((33/3) \times (((33/3)^3) - 3^3)) - 3 \\
&:= ((44/4)^4) - (44 + 4^4) \\
&:= 5 + (((5 - 5/5)^5) \times (((5 - 5/5) + 5) + 5)) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times 6 \times 6 \times 6)) + 6) \\
&:= 7 + ((7 \times (((7 + 7)/7)^{77/7})) - ((7 + 7)/7)) \\
&:= 8 + (((8 + 8) \times (888 + 8)) - 88/8) + 8) \\
&:= 9 + (((9 \times (9 \times (9 \times (9 + 9)))) + 9999/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14342 &:= ((1 + ((1 + 1)^{11})) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) - 1 \\
&:= (2 \times (22 \times (((2^{2+2}) + 2)^2) + 2)) - 2 \\
&:= 3 + (((3 - 3/3)^{3 \times 3}) + ((3^3 - 3^3))) + 3) \\
&:= 4/4 + (((44/4)^4) - (44 + 4^4)) \\
&:= 5 + (((5 - (5 + 5)/5)^5) \times ((55 - 5/5) + 5)) \\
&:= 6 + ((6/6 + 6) \times (((6 + 6)/6)^{66/6})) \\
&:= 7 + ((7 \times (((7 + 7)/7)^{77/7})) - 7/7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) - ((8 + 8)/8)) \\
&:= (((9 + 9)/9) + 99) \times ((9 \times (9 + 9)) - (99/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14343 &:= (1 + ((1 + 1)^{11})) \times (1 + ((1 + 1) \times (1 + 1 + 1))) \\
&:= ((2/2 + 2 + 2) + 2) \times ((2^{22/2}) + 2/2) \\
&:= 3 + ((3 \times (3^3 \times ((3 \times (3^3 + 33)) - 3))) + 3) \\
&:= ((4 - 4/4) + 4) \times ((4^4 \times (4 + 4)) + 4/4) \\
&:= (5 \times ((5 \times (5 - 55)) + 5^5)) - (((5 + 5)/5)^5) \\
&:= (6/6 + 6) \times (((6 + 6)/6)^{66/6}) + 6/6) \\
&:= 7 + (7 \times (((7 + 7)/7)^{77/7})) \\
&:= 8 + (((8 + 8) \times (888 + 8)) - 8/8) \\
&:= (9 - ((9 + 9)/9)) \times (((9 + 9)/9)^{99/9}) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14344 &:= 1 + ((1 + ((1 + 1)^{11})) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 \times (22 \times (((2^{2+2}) + 2)^2) + 2) \\
&:= (33/3) \times (((33/3)^3) - 3^3) \\
&:= 4 + ((4 \times ((4 + 4) \times (444 + 4))) + 4) \\
&:= (55/5) \times (((5 - 5/5)^5) + (5 \times 55)) + 5) \\
&:= 6 + ((66 + 6/6) \times ((6 \times 6 \times 6) - ((6 + 6)/6))) \\
&:= 7 + ((7 \times (((7 + 7)/7)^{77/7})) + 7/7) \\
&:= 8 + ((8 + 8) \times (888 + 8)) \\
&:= (9 - 9/9) \times (((9 + 9) \times 99) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14345 &:= ((1 + 1 + 11) \times (1 + 1111)) - 111 \\
&:= 2/2 + (2 \times (22 \times (((2^{2+2}) + 2)^2) + 2)) \\
&:= 3 \times 3 + (((3 - 3/3)^{3 \times 3}) + ((3^3 - 3^3))) \\
&:= 4 + (((44/4)^4) - (44 + 4^4)) \\
&:= 5 \times (5^5 - ((5 - 5/5)^{5-5/5})) \\
&:= 6 + ((6 \times (((6 \times (6 \times 66)) + 6) + 6)) + (66/6)) \\
&:= 7 + ((7 \times (((7 + 7)/7)^{77/7})) + (7 + 7)/7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + 8/8) \\
&:= 9 + (((9 + 9)/9)^9) \times (((9/9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14346 &:= 1 + (((1 + 1 + 11) \times (1 + 1111)) - 111) \\
&:= 2 + (2 \times (22 \times (((2^{2+2}) + 2)^2) + 2)) \\
&:= 3 \times ((3^3 \times ((3 \times (3^3 + 33)) - 3)) + 3) \\
&:= 4 + (((44/4)^4) - (44 + 4^4)) + 4/4) \\
&:= 5 + (((5 - 5/5)^5) \times (((5 - 5/5) + 5) + 5)) \\
&:= 6 + (((6 \times (((6 \times (6 \times 66)) + 6) + 6)) + 6) + 6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) - (77/7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + ((8 + 8)/8)) \\
&:= 9 + (((9 - 9/9) \times (((9 + 9) \times 99) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14347 &:= 11 + (((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= (22/2) + ((2^{2+2+2}) \times (222 + 2)) \\
&:= 3 + ((33/3) \times (((33/3)^3) - 3^3)) \\
&:= (44/4) + (4 \times ((4 + 4) \times (444 + 4))) \\
&:= (((5^5 - 5)/5) \times ((5 \times 5) - ((5 + 5)/5))) - 5 \\
&:= 6 + (((6 - 6/6)^6) - (6 \times 6 \times 6 \times 6)) + 6) + 6) \\
&:= (77/7) + (7 \times (((7 + 7)/7)^{77/7})) \\
&:= 88/8 + ((8 + 8) \times (888 + 8)) \\
&:= 99 + ((9 - 9/9) \times (((9 + 9) \times 99) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14348 &:= 1 + (11 + (((1 + 1)^{11}) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 \times (22 \times (((2^{2+2}) + 2)^2) + 2) + 2) \\
&:= 3 + (((33/3) \times (((33/3)^3) - 3^3)) + 3/3) \\
&:= (4 \times (((4 + 4) \times (444 + 4)) + 4)) - 4 \\
&:= (5 \times (5^5 - 5)) - (((5 + 5)/5) \times ((5^5 + 5)/5)) \\
&:= 6 + (((6/6 + 6) \times (((6 + 6)/6)^{66/6})) + 6) \\
&:= ((77 + 7)/7) + (7 \times (((7 + 7)/7)^{77/7})) \\
&:= ((88 + 8)/8) + ((8 + 8) \times (888 + 8)) \\
&:= 9 + (((9 - 9/9) \times (((9 + 9) \times 99) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14349 &:= ((1 + 1 + 1 + 11) \times (1 + ((1 + 1)^{11-1}))) - 1 \\
&:= 2 + (((2^{2+2+2}) \times (222 + 2)) + (22/2)) \\
&:= 3 + (3 \times ((3^3 \times ((3 \times (3^3 + 33)) - 3)) + 3)) \\
&:= 4 + (((44/4)^4) - (44 + 4^4)) + 4) \\
&:= (5 \times (5^5 - 5)) - (((5^5 + 5^5) + 5)/5) \\
&:= 6 + ((6/6 + 6) \times (((6 + 6)/6)^{66/6}) + 6/6)) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) - (7/7 + 7) \\
&:= ((88 + 8 + 8)/8) + ((8 + 8) \times (888 + 8)) \\
&:= 9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) - ((99 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14350 &:= (1 + 1 + 1 + 11) \times (1 + ((1 + 1)^{11-1})) \\
&:= (2^{2+2} - 2) \times (((2^{22/2}) + 2)/2) \\
&:= 3 + (((33/3) \times (((33/3)^3) - 3^3)) + 3) \\
&:= (((44 - 4)/4) + 4) \times ((4 \times 4^4) + 4/4) \\
&:= 5 \times ((5 \times (5 - 55)) - 5) + 5^5) \\
&:= (((6 + 6)/6)^6) + ((6 \times ((6 \times (6 \times 66)) + 6)) - 6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) - 7 \\
&:= 8 + (((8 + 8) \times (888 + 8)) - ((8 + 8)/8)) + 8) \\
&:= (9/9 + 9) \times (9999/9 + ((9 + 9) \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14351 &:= 1 + ((1 + 1 + 1 + 11) \times (1 + ((1 + 1)^{11-1})) \\
&:= ((222/2) + 2) \times (((2^{2 \times (2+2)} - 2)/2) \\
&:= (3 \times (3^{3+3})) + (((3^3 - (3/3 + 3))^3) - 3) \\
&:= (4 \times (((4 + 4) \times (444 + 4)) + 4) - 4/4 \\
&:= 5/5 + (5 \times (((5 \times (5 - 55)) - 5) + 5^5)) \\
&:= 66 + ((6 \times ((6 \times (6 \times 66)) + 6)) - (6/6 + 6)) \\
&:= 7/7 + ((7 \times ((7 \times (7 \times (7 \times 7) - 7))) - 7) - 7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) - 8/8 + 8) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9)) - (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14352 &:= 1 + (1 + ((1 + 1 + 1 + 11) \times (1 + ((1 + 1)^{11-1}))) \\
&:= (22 + 2) \times (((22 + 2)^2) + 22) \\
&:= (33 \times (((3 + 3)^3) + ((3 + 3)^3)) + 3) - 3 \\
&:= 4 \times (((4 + 4) \times (444 + 4)) + 4) \\
&:= ((5^5 - 5)/5) \times ((5 \times 5) - ((5 + 5)/5)) \\
&:= 66 + ((6 \times ((6 \times (6 \times 66)) + 6)) - 6) \\
&:= ((7 - 7/7) + 7) \times (7777/7 - 7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + 8) \\
&:= (9 - 9/9) \times (((9 + 9) \times 99) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14353 &:= (11^{1+1+1+1}) - ((1 + 1) \times ((1 + 11)^{1+1})) \\
&:= ((22/2)^{2+2}) - (((22 + 2)^2)/2) \\
&:= 3 \times 3 + ((33/3) \times (((33/3)^3) - 3^3)) \\
&:= ((44/4)^4) - ((4 \times (4 + 4)) + 4^4) \\
&:= 5/5 + (((5^5 - 5)/5) \times ((5 \times 5) - ((5 + 5)/5))) \\
&:= 66 + (((6 \times ((6 \times (6 \times 66)) + 6)) - 6) + 6/6) \\
&:= 7 + ((7 \times ((7 \times (7 \times (7 \times 7) - 7))) - 7) - (77/7)) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + 8/8 + 8) \\
&:= 9 + ((9 - 9/9) \times (((9 + 9) \times 99) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14354 &:= 11 + ((1 + ((1 + 1)^{11})) \times (1 + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 + ((22 + 2) \times (((22 + 2)^2) + 22)) \\
&:= (3 \times (3^{3+3})) + ((3^3 - (3/3 + 3))^3) \\
&:= 4 + (((44 - 4)/4) + 4) \times ((4 \times 4^4) + 4/4) \\
&:= (5 \times (5^5 + 5)) - ((5/5 + 5)^{5-5/5}) \\
&:= 6 + (((6/6 + 6) \times (((6 + 6)/6)^{66/6})) + 6) + 6) \\
&:= 7 + ((7 \times (((7 + 7)/7)^{77/7})) + (77/7)) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + ((8 + 8)/8) + 8) \\
&:= 9 + (((((9 + 9)/9)^9) \times (((9/9 + 9) + 9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14355 &:= 11 \times ((11 - 1 - 1) \times (1 + ((1 + 11)^{1+1}))) \\
&:= 2 + (((22/2)^{2+2}) - (((22 + 2)^2)/2)) \\
&:= 33 \times (((3 + 3)^3) + ((3 + 3)^3)) + 3) \\
&:= (44 + 4/4) \times (((4^4 - 4)/4) + 4^4) \\
&:= 5 + (5 \times (((5 \times (5 - 55)) - 5) + 5^5)) \\
&:= 666 + (((666/6) + 6)^{(6+6)/6}) \\
&:= (7 \times ((7 \times (7 \times (7 \times 7) - 7))) - 7) - ((7 + 7)/7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + (88/8)) \\
&:= 99 + ((9 + 9) \times (99 \times (9 - 9/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14356 &:= ((1 + 1)^{11-1}) + ((1 + 11) \times 1111) \\
&:= (((2 + 2 + 2) \times (22 - 2))^2) - (2 \times 22) \\
&:= 3/3 + (33 \times (((3 + 3)^3) + ((3 + 3)^3)) + 3) \\
&:= 4 + (4 \times (((4 + 4) \times (444 + 4)) + 4)) \\
&:= 5 + ((5 \times (((5 \times (5 - 55)) - 5) + 5^5)) + 5/5) \\
&:= (((6 + 6)/6)^6) + (6 \times ((6 \times (6 \times 66)) + 6)) \\
&:= (7 \times ((7 \times (7 \times (7 \times 7) - 7))) - 7) - 7/7 \\
&:= 8 + (((8 + 8) \times (888 + 8)) + ((88 + 8)/8)) \\
&:= 9/9 + (((9 + 9) \times (99 \times (9 - 9/9))) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14357 &:= ((1 + 1)^{11}) + ((111^{1+1}) - (1 + 11)) \\
&:= ((2^{2+2} - 2)^2) + (((22/2)^2) - 2^2) \\
&:= 3 + (((3^3 - (3/3 + 3))^3) + (3 \times (3^{3+3}))) \\
&:= 4 + (((44/4)^4) - ((4 \times (4 + 4)) + 4^4)) \\
&:= 5 + (((5^5 - 5)/5) \times ((5 \times 5) - ((5 + 5)/5))) \\
&:= 66 + ((6 \times ((6 \times (6 \times 66)) + 6)) - 6/6) \\
&:= 7 \times ((7 \times (7 \times (7 \times 7) - 7))) - 7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + ((88 + 8 + 8)/8)) \\
&:= 99 + (((9 + 9) \times (99 \times (9 - 9/9))) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14358 &:= ((1 + 1)^{11}) + ((111^{1+1}) - 11) \\
&:= 22 + ((2^{2+2+2}) \times (222 + 2)) \\
&:= 3 + (33 \times (((3 + 3)^3) + ((3 + 3)^3)) + 3) \\
&:= (((4 + 4)/4) + 4) \times (((4 - 4/4) + 4^4) - (4 + 4)) \\
&:= 5 + (((5^5 - 5)/5) \times ((5 \times 5) - ((5 + 5)/5))) + 5/5) \\
&:= 66 + (6 \times ((6 \times (6 \times 66)) + 6)) \\
&:= 7/7 + (7 \times ((7 \times (7 \times (7 \times 7) - 7))) - 7) \\
&:= ((8 + 8)/8) \times ((8 \times (888 + 8)) + (88/8)) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9 + 9))) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14359 &:= 1 + (((1 + 1)^{11}) + ((111^{1+1}) - 11)) \\
&:= (2^{2+2+2} - 2) - (((2 \times 22) + 2/2)^2) \\
&:= 3^{3 \times 3} - ((3/3 + 3) \times ((33/3)^3)) \\
&:= 4 + ((44 + 4/4) \times (((4^4 - 4)/4) + 4^4)) \\
&:= 5 + ((5 \times (5^5 + 5)) - ((5/5 + 5)^{5-5/5})) \\
&:= 66 + ((6 \times ((6 \times (6 \times 66)) + 6)) + 6/6) \\
&:= ((7 + 7)/7) + (7 \times ((7 \times (7 \times (7 \times 7) - 7))) - 7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) - 8/8 + 8) + 8) \\
&:= (((9 + 9)/9) + (9 \times 9)) \times ((99/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14360 &:= 1 + (1 + (((1 + 1)^{11}) + ((111^{1+1}) - 11))) \\
&:= 2 + (((2^{2+2+2}) \times (222 + 2)) + 22) \\
&:= ((33/3) + 3 \times 3) \times ((3^{3+3}) - 33/3) \\
&:= 4 + ((4 \times (((4 + 4) \times (444 + 4)) + 4)) + 4) \\
&:= 5 + ((5 \times (((5 \times (5 - 55)) - 5) + 5^5)) + 5) \\
&:= 66 + ((6 \times ((6 \times (6 \times 66)) + 6)) + ((6 + 6)/6)) \\
&:= ((7 + 7 + 7)/7) + (7 \times ((7 \times (7 \times (7 \times 7) - 7))) - 7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + 8) + 8) \\
&:= (99/9 + 9) \times ((9 \times (9 \times 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14361 &:= 11 + ((1 + 1 + 1 + 11) \times (1 + ((1 + 1)^{11-1})) \\
&:= 222 + (((((22/2)^2) - 2)^2) - 22) \\
&:= ((33 + 3) \times ((33 \times (3 \times 3 + 3)) + 3)) - 3 \\
&:= ((44/4)^4) - (((4 \times 4) + 4^4) + 4) + 4 \\
&:= 5^5 + (((555/5) - 5)^{(5+5)/5}) \\
&:= (666/6) + ((6 \times (6 \times (6 \times 66))) - 6) \\
&:= (77/7) + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) - 7) - 7) \\
&:= 8 + (((((8 + 8) \times (888 + 8)) + 8/8) + 8) + 8) \\
&:= 9 + ((9 - 9/9) \times (((9 + 9) \times 99) + ((99 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14362 &:= 1 + (11 + ((1 + 1 + 1 + 11) \times (1 + ((1 + 1)^{11-1}))) \\
&:= (2 \times 2 \times 22 - 2) \times (((22/2) + 2)^2) - 2) \\
&:= 3 + ((3^{3 \times 3}) - ((3/3 + 3) \times ((33/3)^3))) \\
&:= (((4 + 4)/4) + 4) \times (((4 - 4/4) + 4^4)) - 44 \\
&:= 5 + (((5^5 - 5)/5) \times ((5 \times 5) - ((5 + 5)/5))) + 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66)) + 6)) + ((6 + 6)/6)^6) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) - ((7 + 7)/7)) \\
&:= 8 + (((((8 + 8) \times (888 + 8)) + ((8 + 8)/8)) + 8) + 8) \\
&:= 9 + (((9 - 9/9) \times (((9 + 9) \times 99) + (99/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14363 &:= (((11^{1+1}) - 1)^{1+1}) - (111/(1 + 1 + 1)) \\
&:= ((22/2)^{2+2}) - ((2^{2 \times (2+2)}) + 22) \\
&:= 3^3 + (((3 - 3/3)^{3 \times 3}) + ((3^3 - 3)^3)) \\
&:= (44/4) + (4 \times (((4 + 4) \times (444 + 4)) + 4)) \\
&:= (5 \times 5^5) - (((5 + 5)/5) \times (((5^5 + 5)/5) + 5)) \\
&:= (6 \times (((6 \times (6 \times 66)) + 6) + 6) + 6) - 6/6 \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) - 7) - 7/7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + (88/8)) + 8) \\
&:= (((9 + 9)/9)^9) + (9 \times (9 \times ((9 \times (9 + 9)) + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14364 &:= (1 + 11) \times ((11 \times (111 - (1 + 1))) - (1 + 1)) \\
&:= ((2^{2+2}) + 2) \times ((2 \times ((22 - 2)^2)) - 2) \\
&:= (33 + 3) \times ((33 \times (3 \times 3 + 3)) + 3) \\
&:= (4^4 - 4) \times (((4^4 - 44)/4) + 4) \\
&:= (5 \times 5^5) - (((55 + 5^5) + 5^5)/5) \\
&:= 6 \times (((6 \times (6 \times 66)) + 6) + 6) + 6) \\
&:= 7 + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) \\
&:= (8 - 8/8) \times (((8 \times (8 \times 8 + 8)) + 8)/(8 + 8)/8) \\
&:= 9 + (((9 + 9) \times (99 \times (9 - 9/9))) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14365 &:= 1 + ((1 + 11) \times ((11 \times (111 - (1 + 1))) - (1 + 1))) \\
&:= (2^{22/2}) + (((222/2)^2) - (2 + 2)) \\
&:= 3/3 + ((33 + 3) \times ((33 \times (3 \times 3 + 3)) + 3)) \\
&:= ((44/4)^4) - (((4 \times 4) + 4^4) + 4) \\
&:= (5 \times ((5 \times (5 - 55)) + 5^5)) - (5 + 5) \\
&:= ((6 - 6/6)^6) + (6 \times (6 - (6 \times 6 \times 6))) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) + 7/7) \\
&:= (8/8 + (8 \times 8)) \times (((888 - 8) + 888)/8) \\
&:= 9 + (((9 + 9) \times (99 \times (9 - 9/9))) + 99) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14366 &:= 11 \times (((1 + 11) \times (111 - (1 + 1))) - (1 + 1)) \\
&:= 22 \times (((22/2) + 2)^2) + 22^2) \\
&:= 3 + (((3 - 3/3)^{3 \times 3}) + ((3^3 - 3)^3)) + 3^3) \\
&:= 4/4 + (((44/4)^4) - (((4 \times 4) + 4^4) + 4)) \\
&:= ((55/5)^{5-5/5}) - (5 \times 55) \\
&:= ((666 - 6)/6) + (6 \times (6 \times (6 \times 66))) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) + (7 + 7)/7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + ((88 + 88)/8)) \\
&:= (99/9) \times (((9 + 9) \times ((9 \times 9) - 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14367 &:= ((1 + 1)^{11}) + ((111^{1+1}) - (1 + 1)) \\
&:= (2^{22/2}) + (((222/2)^2) - 2) \\
&:= 3 + ((33 + 3) \times ((33 \times (3 \times 3 + 3)) + 3)) \\
&:= ((4 + 4) \times ((4 \times (444 + 4)) + 4)) - 4/4 \\
&:= 5/5 + (((55/5)^{5-5/5}) - (5 \times 55)) \\
&:= (666/6) + (6 \times (6 \times (6 \times 66))) \\
&:= ((77 - 7)/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) \\
&:= ((8 + 8) \times ((888 + ((8 + 8)/8)) + 8)) - 8/8 \\
&:= (999/9) + ((9 + 9) \times (99 \times (9 - 9/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14368 &:= ((1 + 1)^{11}) + ((111^{1+1}) - 1) \\
&:= (2^{2+2}) \times ((2 \times (2 \times (222 + 2))) + 2) \\
&:= 3 + (((33 + 3) \times ((33 \times (3 \times 3 + 3)) + 3)) + 3/3) \\
&:= (4 + 4) \times ((4 \times (444 + 4)) + 4) \\
&:= (5 \times 5^5) - (((5 + 5)/5) \times (((5^5 + 5)/5) + 5)) \\
&:= ((666 + 6)/6) + (6 \times (6 \times (6 \times 66))) \\
&:= (77/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) \\
&:= (8 + 8) \times ((888 + ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 + 9)/9) + (9 \times 9)) \times ((99/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14369 &:= ((1 + 1)^{11}) + (111^{1+1}) \\
&:= (2^{22/2}) + ((222/2)^2) \\
&:= 33 + (((3 - 3/3)^{3 \times 3}) + ((3^3 - 3)^3)) \\
&:= ((44/4)^4) - ((4 \times 4) + 4^4) \\
&:= (5 \times 5^5) - (((5^5 + 5^5) + 5)/5) + 5) \\
&:= 6 + ((6 \times (((6 \times (6 \times 66)) + 6) + 6) + 6)) - 6/6) \\
&:= ((77 + 7)/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) \\
&:= 8/8 + ((8 + 8) \times ((888 + ((8 + 8)/8)) + 8)) \\
&:= 9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14370 &:= 1 + (((1 + 1)^{11}) + (111^{1+1})) \\
&:= 2 + ((2^{2+2}) \times ((2 \times (2 \times (222 + 2))) + 2)) \\
&:= (3^3 + 3) \times (((3 - 3/3)^{3 \times 3}) - 33) \\
&:= 4/4 + (((44/4)^4) - ((4 \times 4) + 4^4)) \\
&:= (5 \times ((5 \times (5 - 55)) + 5^5)) - 5 \\
&:= 6 + (6 \times (((6 \times (6 \times 66)) + 6) + 6) + 6)) \\
&:= (7 - 7/7) \times (((7 \times (7 \times 7 \times 7)) - 7) + 7/7) \\
&:= ((8 + 8)/8) + ((8 + 8) \times ((888 + ((8 + 8)/8)) + 8)) \\
&:= (9/9 + 9) \times ((9 \times (9 \times (9 + 9))) - ((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14371 &:= 1 + (1 + (((1+1)^{11}) + (111^{1+1}))) \\
&:= 2 + (((222/2)^2) + (2^{22/2})) \\
&:= 3^3 + ((33/3) \times (((33/3)^3) - 3^3)) \\
&:= 4 + (((4+4) \times ((4 \times (444+4)) + 4)) - 4/4) \\
&:= 5 + (((55/5)^{5-5/5}) - (5 \times 55)) \\
&:= 6 + ((6 \times (6 - (6 \times 6 \times 6))) + ((6 - 6/6)^6)) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) + 7) \\
&:= 8 + (((((8+8) \times (888+8)) + (88/8)) + 8) + 8) \\
&:= ((99/9+9) \times ((9 \times (9 \times 9)) - (9/9+9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14372 &:= 1 + (1 + (1 + ((1+1)^{11}) + (111^{1+1}))) \\
&:= 2 + (((2^{2+2}) \times ((2 \times (2 \times (222+2))) + 2)) + 2) \\
&:= 3 + (((((3-3/3)^{3 \times 3}) + ((3^3 - 3^3))) + 33) \\
&:= 4 + ((4+4) \times ((4 \times (444+4)) + 4)) \\
&:= (5 \times 5^5) + (((5+5)/5) \times ((5-5^5)/5)) - 5 \\
&:= 6 + (((666-6)/6) + (6 \times (6 \times (6 \times 6)))) \\
&:= 7 + (((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) + 7/7) + 7) \\
&:= 8 + ((8-8/8) \times (((8 \times (8 \times 8 \times 8)) + 8)/(8+8)/8)) \\
&:= 9 + ((9 \times (9 \times ((9 \times (9+9)) + 9))) + (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14373 &:= 1 + (1 + (1 + (1 + ((1+1)^{11}) + (111^{1+1})))) \\
&:= 2 + (((222/2)^2) + (2^{22/2})) + 2) \\
&:= ((3+3)^3) + (((3^3 - 3^3)^3) + 333) \\
&:= 4 + (((44/4)^4) - ((4 \times 4) + 4^4)) \\
&:= (5 \times 5^5) - (((5+5)/5) \times ((5^5+5)/5)) \\
&:= 6 + ((6 \times (6 \times (6 \times 6))) + 666/6) \\
&:= 7 + (((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) + ((7+7)/7)) + 7) \\
&:= ((8+8) \times (888 + (88/8))) - (88/8) \\
&:= 9999 + (9 \times ((9+9) \times (9+9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14374 &:= (((11^{1+1}) - 1)^{1+1}) - ((1+1) \times (1+1+11)) \\
&:= 22 + ((22+2) \times (((22+2)^2) + 22)) \\
&:= ((33/3) \times (((33/3)^3) - 3^3) + 3) - 3 \\
&:= ((44/4)^4) - ((44/4) + 4^4) \\
&:= (5 \times 5^5) - (((5^5+5^5) + 5)/5) \\
&:= 6 + (((666+6)/6) + (6 \times (6 \times (6 \times 6)))) \\
&:= (7 \times (((7+7)/7)^{77/7}) + 7) - (77/7) \\
&:= ((8+8)/8) \times (((8 \times (888+8)) + (88/8)) + 8) \\
&:= 9/9 + ((9 \times ((9+9) \times (9+9+9))) + 9999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14375 &:= ((1+11) \times ((11 \times (111 - (1+1))) - 1)) - 1 \\
&:= (22 + 2/2) \times ((2/2 + 2 + 2)^{2+2}) \\
&:= ((3/3 - 3) + 3^3) \times (((3 \times 3 + 3^3) - 3)/3) \\
&:= ((4-44)/4) + (((44/4)^4) - 4^4) \\
&:= 5 \times ((5 \times (5-55)) + 5^5) \\
&:= (66/6) + (6 \times (((6 \times (6 \times 66)) + 6) + 6) + 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) + (77/7)) \\
&:= ((8/8 + 8 + 8) + 8) \times ((8 \times ((8 \times 8) + 8)) - 8/8) \\
&:= 9 + ((99/9) \times (((9+9) \times ((9 \times 9) - 9)) + 9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14376 &:= (1+11) \times ((11 \times (111 - (1+1))) - 1) \\
&:= (((2+2+2) \times (22-2))^2) - (22+2) \\
&:= 3 + (((3^3 - 3)^3) + 333) + ((3+3)^3) \\
&:= 4 + (((4+4) \times ((4 \times (444+4)) + 4)) + 4) \\
&:= 5/5 + (5 \times ((5 \times (5-55)) + 5^5)) \\
&:= 6 + ((6 \times (((6 \times (6 \times 66)) + 6) + 6) + 6) + 6) \\
&:= (7-7/7) \times (((7 \times (7 \times 7 \times 7)) - 7) + (7+7)/7) \\
&:= ((8+8) \times ((888+8) + 8)) - 88 \\
&:= 9 + (((9+9) \times (99 \times (9-9/9))) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14377 &:= 11 \times (((1+11) \times (111 - (1+1))) - 1) \\
&:= 2 + ((22 + 2/2) \times ((2/2 + 2 + 2)^{2+2})) \\
&:= (33/3) \times (((33/3)^3) - 3^3) + 3) \\
&:= ((44/4)^4) - (4^4 + 4 + 4) \\
&:= (5 \times 5^5) + (((5+5)/5) \times ((5-5^5)/5)) \\
&:= (66/6) \times ((6 \times 6 \times 6 \times 6) + (66/6)) \\
&:= 7 + ((7-7/7) \times (((7 \times (7 \times 7 \times 7)) - 7) + 7/7)) \\
&:= 8/8 + (((8+8) \times ((888+8) + 8)) - 88) \\
&:= (99/9) \times (((9+9) \times ((9 \times 9) - 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14378 &:= (((11^{1+1}) - 1)^{1+1}) - (11+11) \\
&:= (((2+2+2) \times (22-2))^2) - 22 \\
&:= (33/3+3) \times (((3 \times 3) + 3/3)^3) + 3^3) \\
&:= 4 + (((44/4)^4) - ((44/4) + 4^4)) \\
&:= ((5 \times 5) + 5/5) \times (555 - ((5+5)/5)) \\
&:= (6/6+6) \times (((6+6)/6)^{66/6}) + 6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - 77 \\
&:= ((8+8)/8) + (((8+8) \times ((888+8) + 8)) - 88) \\
&:= 9 + (((99/9+9) \times ((9 \times (9 \times 9)) - (99/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14379 &:= 1 + (((11^{1+1}) - 1)^{1+1}) - (11+11) \\
&:= 2/2 + (((2+2+2) \times (22-2))^2) - 22) \\
&:= (3^{3+3}) + (33333 - (3^{3 \times 3})) \\
&:= ((44/4)^4) - (((4+4)/4 + 4^4) + 4) \\
&:= 5 + ((5 \times 5^5) - (((5^5+5^5) + 5)/5)) \\
&:= 6 + (((6 \times (6 \times (6 \times 6))) + 666/6) + 6) \\
&:= 7/7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - 77) \\
&:= 88/8 + ((8+8) \times ((888 + ((8+8)/8)) + 8)) \\
&:= (9 \times ((9 \times (99 + (9 \times 9))) - 9)) - ((999/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14380 &:= 11 + (((1+1)^{11}) + (111^{1+1})) \\
&:= 2 + (((2+2+2) \times (22-2))^2) - 22) \\
&:= 3 + ((33/3) \times (((33/3)^3) - 3^3) + 3) \\
&:= 44 + (4 \times ((4+4) \times (444+4))) \\
&:= 5 + (5 \times ((5 \times (5-55)) + 5^5)) \\
&:= 6 + (((666+6)/6) + (6 \times (6 \times (6 \times 66)))) + 6) \\
&:= ((7+7)/7) + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - 77) \\
&:= (88/((8+8)/8)) + ((8+8) \times (888+8)) \\
&:= (99/9+9) \times ((9 \times (9 \times 9)) - (9/9+9))
\end{aligned}$$

- **14381** := $1 + (11 + (((1+1)^{11}) + (111^{1+1})))$
:= $222 + (((((22/2)^2) - 2)^2) - 2)$
:= $((((3+3)^3) + 3)/3) \times ((33 \times (3+3)) - 3/3)$
:= $((44/4)^4) - (4^4 + 4)$
:= $5 + ((5 \times ((5 \times (5 - 55)) + 5^5)) + 5/5)$
:= $(66 \times ((6 \times 6 \times 6) + ((6+6)/6))) - (6/6 + 6)$
:= $(7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - ((77/7 + 7) + 7)$
:= $((8 \times (8 + 8)) - 8)^{(8+8)/8} - ((88/8) + 8)$
:= $((9/9 - 9) + (9 \times 9)) \times ((99 - 9/9) + 99)$
- **14382** := $1 + (1 + (11 + (((1+1)^{11}) + (111^{1+1}))))$
:= $(2/2 + 2)^2 \times (((2 \times (22 - 2))^2) - 2)$
:= $(3 + 3) \times ((3 \times (3^3 \times (3^3 + 3))) - 33)$
:= $4/4 + (((44/4)^4) - (4^4 + 4))$
:= $5 + (((5+5)/5) \times ((5 - 5^5)/5)) + (5 \times 5^5)$
:= $(66 \times ((6 \times 6 \times 6) + ((6+6)/6))) - 6$
:= $(7 - 7/7) \times (((7 \times (7 \times 7 \times 7)) - (77/7)) + 7)$
:= $((8 + 8)/8) \times (((8 \times 888) - 8/8) + 88)$
:= $(9 + 9) \times ((9 \times (9 \times 9 + 9)) - (99/9))$
- **14383** := $((1+1) \times 111) + (((11^{1+1}) - (1+1))^{1+1})$
:= $222 + (((((22/2)^2) - 2)^2)$
:= $3 + (((33/3) \times (((33/3)^3) - 3^3) + 3)) + 3)$
:= $((44/4)^4) - ((4+4)/4 + 4^4)$
:= $5 + (((5 \times 5) + 5/5) \times (555 - ((5+5)/5)))$
:= $6 + ((66/6) \times ((6 \times 6 \times 6 \times 6) + (66/6)))$
:= $(7 \times (((7+7)/7)^{77/7} + 7)) - ((7+7)/7)$
:= $((8 + 8) \times (888 + (88/8))) - 8/8$
:= $9/9 + ((9+9) \times ((9 \times (9 \times 9 + 9)) - (99/9)))$
- **14384** := $((11^{1+1}) - 1)^{1+1} - ((1+1)^{1+1+1+1})$
:= $((2+2+2) \times (22 - 2))^2 - (2^{2+2})$
:= $3 + (((((3+3)^3) + 3)/3) \times ((33 \times (3+3)) - 3/3))$
:= $4 \times (((4+4) \times 444) + 44)$
:= $5^5 + ((55/5 \times ((5 - 5/5)^5)) - 5)$
:= $6 + ((6/6 + 6) \times (((6+6)/6)^{66/6} + 6))$
:= $(7 \times (((7+7)/7)^{77/7} + 7)) - 7/7$
:= $(8 + 8) \times (888 + (88/8))$
:= $((9 - ((9+9)/9)) + 9) \times (((9 \times 99) - 9/9) + 9)$
- **14385** := $(11^{1+1+1+1}) - ((1+1)^{(1+1)^{1+1+1}})$
:= $((22/2)^{2+2}) - (2^{2 \times (2+2)})$
:= $3 + ((3+3) \times ((3 \times (3^3 \times (3^3 + 3))) - 33))$
:= $((44/4)^4) - 4^4$
:= $5 + ((5 \times ((5 \times (5 - 55)) + 5^5)) + 5)$
:= $6 + (((6 \times (6 \times (6 \times 66))) + 666/6) + 6) + 6)$
:= $7 \times (((7+7)/7)^{77/7} + 7)$
:= $8/8 + ((8+8) \times (888 + (88/8)))$
:= $9 + (((9+9) \times (99 \times (9 - 9/9))) + (999/9)) + 9)$
- **14386** := $((11^{1+1}) - 1)^{1+1} - (1 + 1 + 1 + 11)$
:= $(22 \times (((22 + 2 + 2)^2) - 22)) - 2$
:= $3^3 + ((3^3 \times 3) - ((3/3 + 3) \times ((33/3)^3)))$
:= $4/4 + (((44/4)^4) - 4^4)$
:= $(55/5) + (5 \times ((5 \times (5 - 55)) + 5^5))$
:= $66 + ((6 \times (6 \times (6 \times 66))) + (((6+6)/6)^6))$
:= $7/7 + (7 \times (((7+7)/7)^{77/7} + 7))$
:= $((8 + 8)/8) + ((8 + 8) \times (888 + (88/8)))$
:= $9 + ((99/9) \times (((9+9) \times ((9 \times 9) - 9)) + (99/9)))$
- **14387** := $((11^{1+1}) - 1)^{1+1} - (1 + 1 + 11)$
:= $2 + (((22/2)^{2+2}) - (2^{2 \times (2+2)}))$
:= $33 + (((3^3 - (3/3 + 3))^3) + (3 \times (3^3 \times 3)))$
:= $((4+4)/4) + (((44/4)^4) - 4^4)$
:= $(5 \times 5^5) + (((5+5)/5) \times (((5 - 5^5)/5) + 5))$
:= $(66 \times ((6 \times 6 \times 6) + ((6+6)/6))) - 6/6$
:= $((7+7)/7) + (7 \times (((7+7)/7)^{77/7} + 7))$
:= $88/8 + (((8+8) \times ((888 + 8) + 8)) - 88)$
:= $(9 \times ((9 \times (99 + (9 \times 9))) - 9)) - ((999 + 9)/9)$
- **14388** := $11 \times ((1+1) \times (111 - (1+1)))$
:= $22 \times (((22 + 2 + 2)^2) - 22)$
:= $33 \times (((((3+3)^{3/3+3}) + 3)/3) + 3)$
:= $4 + (4 \times (((4+4) \times 444) + 44))$
:= $5^5 + ((55/5 \times ((5 - 5/5)^5)) - 5/5)$
:= $66 \times ((6 \times 6 \times 6) + ((6+6)/6))$
:= $(7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (77/7 + 7)$
:= $((88 + 8)/8) \times ((8888/8) + 88)$
:= $(9 \times ((9 \times (99 + (9 \times 9))) - 9)) - (999/9)$
- **14389** := $((11^{1+1}) - 1)^{1+1} - 11$
:= $((2+2+2) \times (22 - 2))^2 - (22/2)$
:= $((3^3 - 3)^3) + (((3 \times 3 + 3)^3) - 33)/3$
:= $4 + (((44/4)^4) - 4^4)$
:= $5^5 + (55/5 \times ((5 - 5/5)^5))$
:= $6/6 + (66 \times ((6 \times 6 \times 6) + ((6+6)/6)))$
:= $((7 - 77)/7) + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7)$
:= $((8 \times (8 + 8)) - 8)^{(8+8)/8} - (88/8)$
:= $9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) - (9/9 + 9)))$
- **14390** := $1 + (((11^{1+1}) - 1)^{1+1}) - 11$
:= $2 + (22 \times (((22 + 2 + 2)^2) - 22))$
:= $((3^3 - 3)^3) + ((3 \times (((3+3)^3) - 3^3)) - 3/3)$
:= $4 + (((44/4)^4) - 4^4) + 4/4$
:= $((5 \times 5 \times 5 - 5)^{(5+5)/5}) - (5 + 5)$
:= $((6+6)/6) + (66 \times ((6 \times 6 \times 6) + ((6+6)/6)))$
:= $(7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (((7+7)/7 + 7) + 7)$
:= $((8 - 88)/8) + (((8 \times (8 + 8)) - 8)^{(8+8)/8})$
:= $(9/9 + 9) \times ((9 \times (9 \times (9 + 9))) - ((9/9 + 9) + 9))$

$$\begin{aligned}
\blacktriangleright 14391 &:= 1 + (1 + (((11^{1+1}) - 1)^{1+1}) - 11)) \\
&:= 2 + (((2 + 2 + 2) \times (22 - 2)^2) - (22/2)) \\
&:= ((3^3 - 3^3)^3) + (3 \times (((3 + 3)^3) - 3^3)) \\
&:= 4 + (((44/4)^4) - 4^4) + ((4 + 4)/4) \\
&:= (5 \times (5 - 55)) + ((55/5)^{5-5/5}) \\
&:= ((666/6) + 6) \times (((666/6) + 6) + 6) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - ((7/7 + 7) + 7) \\
&:= (((8 \times (8 + 8)) - 8)^{(8+8)/8}) - (8/8 + 8) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14392 &:= 1 + (1 + (1 + (((11^{1+1}) - 1)^{1+1}) - 11)) \\
&:= 2 \times (2 \times (((2^{2+2}) + 2 \times 22)^2) - 2) \\
&:= ((33/3)^{3/3+3}) - (((3 + 3)^3) + 33) \\
&:= ((4 \times 4^4) + 4) \times (((44 - 4)/4) + 4) \\
&:= (55 + 5/5) \times (((5^5 - 5)/5 + 5) - 55) \\
&:= (((6 + 6)/6)^6) + (6 \times (((6 \times (6 \times 66)) + 6) + 6)) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (7 + 7) \\
&:= (((8 \times (8 + 8)) - 8)^{(8+8)/8}) - 8 \\
&:= 9/9 + (((99/9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14393 &:= 1 + (1 + (1 + (1 + (((11^{1+1}) - 1)^{1+1}) - 11))) \\
&:= 2 + (((((2 + 2 + 2) \times (22 - 2)^2) - (22/2)) + 2) \\
&:= ((3^3 - 3^3)^3) + (((((3 \times 3 + 3)^3) - 3)/3) - (3 + 3)) \\
&:= 4 + (((44/4)^4) - 4^4) + 4 \\
&:= (((5^5 + 5)/5) \times ((5 \times 5) - ((5 + 5)/5))) - 5 \\
&:= ((6 \times 6) + 6/6) \times ((6 \times 66) - (6/6 + 6)) \\
&:= 7/7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (7 + 7)) \\
&:= 8/8 + (((8 \times (8 + 8)) - 8)^{(8+8)/8}) - 8 \\
&:= 9 + (((9 - ((9 + 9)/9)) + 9) \times (((9 \times 99) - 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14394 &:= (((11^{1+1}) - 1)^{1+1}) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= (((2 + 2 + 2) \times (22 - 2)^2) - (2 + 2 + 2)) \\
&:= 3 + ((3 \times (((3 + 3)^3) - 3^3)) + ((3^3 - 3^3)^3)) \\
&:= 4 + (((44/4)^4) - 4^4) + (4/4 + 4) \\
&:= 5 + ((55/5 \times ((5 - 5/5)^5)) + 5^5) \\
&:= 6 + (66 \times ((6 \times 6 \times 6) + ((6 + 6)/6))) \\
&:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) - ((7 + 7)/7)) \\
&:= ((8 + 8)/8) + (((8 \times (8 + 8)) - 8)^{(8+8)/8}) - 8 \\
&:= ((9999 - 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14395 &:= (((11^{1+1}) - 1)^{1+1}) - (1 + 1 + 1 + 1 + 1) \\
&:= ((22/2)^{2+2}) - (((22^2/2) + 2) + 2) \\
&:= ((33/3)^{3/3+3}) - ((3 \times (3 \times 3^3)) + 3) \\
&:= ((44/4)^4) + (((44 - 4)/4) - 4^4) \\
&:= ((5 \times 5 \times 5 - 5)^{(5+5)/5}) - 5 \\
&:= 66 + (((6 - 6/6)^6) - (6 \times 6 \times 6 \times 6)) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (77/7) \\
&:= 88/8 + ((8 + 8) \times (888 + (88/8))) \\
&:= 9999/9 + ((9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14396 &:= (((11^{1+1}) - 1)^{1+1}) - (1 + 1 + 1 + 1) \\
&:= (((2 + 2 + 2) \times (22 - 2)^2) - (2 + 2)) \\
&:= ((3^3 - 3^3)^3) + (((((3 \times 3 + 3)^3) - 3)/3) - 3) \\
&:= ((44 + 4) \times (44 + 4^4)) - 4 \\
&:= 5/5 + (((5 \times 5 \times 5 - 5)^{(5+5)/5}) - 5) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) + ((6 + 6)/6))) + ((6 + 6)/6)) \\
&:= ((7 - 77)/7) + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
&:= (((8 \times (8 + 8)) - 8)^{(8+8)/8}) - (8 \times 8/(8 + 8)) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9 + 9)) - 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14397 &:= (((11^{1+1}) - 1)^{1+1}) - (1 + 1 + 1) \\
&:= ((22/2)^{2+2}) - ((22^2/2) + 2) \\
&:= ((3^3 - 3^3)^3) + (((3 \times 3 + 3)^3)/3) - 3) \\
&:= 4 + (((44/4)^4) - 4^4) + 4 + 4 \\
&:= (5 \times 5^5) + (((5 + 5)/5) \times ((55 - 5^5)/5)) \\
&:= (666/6) + ((6 \times ((6 \times (6 \times 66)) + 6)) - 6) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - ((7 + 7)/7 + 7) \\
&:= 8 + (((8 \times (8 + 8)) - 8)^{(8+8)/8}) - 88/8 \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9))) - 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14398 &:= (((11^{1+1}) - 1)^{1+1}) - (1 + 1) \\
&:= (((2 + 2 + 2) \times (22 - 2)^2) - 2) \\
&:= ((33/3)^{3/3+3}) - (3 \times (3 \times 3^3)) \\
&:= ((44/4)^4) - ((4 - 4/4)^{4/4+4}) \\
&:= ((5^5 + 5)/5) \times ((5 \times 5) - ((5 + 5)/5)) \\
&:= (6 \times ((6 \times ((6 \times 66) + 6)) - (6 + 6))) - ((6 + 6)/6) \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (7/7 + 7) \\
&:= (((8 \times (8 + 8)) - 8)^{(8+8)/8}) - ((8 + 8)/8) \\
&:= (9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9) - (99/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14399 &:= (((11^{1+1}) - 1)^{1+1}) - 1 \\
&:= ((22/2)^2) \times (((22/2)^2) - 2) \\
&:= ((3^3 - 3^3)^3) + (((3 \times 3 + 3)^3) - 3)/3) \\
&:= ((44 + 4) \times (44 + 4^4)) - 4/4 \\
&:= ((5 \times 5 \times 5 - 5)^{(5+5)/5}) - 5/5 \\
&:= (6 \times ((6 \times ((6 \times 66) + 6)) - (6 + 6))) - 6/6 \\
&:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7 \\
&:= (((8 \times (8 + 8)) - 8)^{(8+8)/8}) - 8/8 \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9)) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14400 &:= ((11^{1+1}) - 1)^{1+1} \\
&:= ((2 + 2 + 2) \times (22 - 2))^2 \\
&:= ((3^3 - 3^3)^3) + (((3 \times 3 + 3)^3)/3) \\
&:= (44 + 4) \times (44 + 4^4) \\
&:= (5 \times 5 \times 5 - 5)^{(5+5)/5} \\
&:= 6 \times ((6 \times ((6 \times 66) + 6)) - (6 + 6)) \\
&:= 7/7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7) \\
&:= ((8 \times (8 + 8)) - 8)^{(8+8)/8} \\
&:= (99/9 + 9) \times ((9 \times (9 \times 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14401 &:= 1 + (((11^{1+1}) - 1)^{1+1}) \\
 &:= 2/2 + (((2+2+2) \times (22-2))^2) \\
 &:= ((3^3 - 3)^3) + (((3 \times 3 + 3)^3) + 3)/3 \\
 &:= 4 \times 4 + (((44/4)^4) - 4^4) \\
 &:= 5/5 + ((5 \times 5 \times 5 - 5)^{(5+5)/5}) \\
 &:= 6/6 + (6 \times ((6 \times (6 \times 66) + 6)) - (6+6)) \\
 &:= ((7+7)/7) + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7) \\
 &:= 8/8 + (((8 \times (8+8)) - 8)^{(8+8)/8}) \\
 &:= 9/9 + ((99/9+9) \times ((9 \times (9 \times 9)) - 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14406 &:= ((1+1) \times (1+1+1)) + (((11^{1+1}) - 1)^{1+1}) \\
 &:= 2 + (((((2+2+2) \times (22-2))^2) + 2) + 2) \\
 &:= (3+3) \times ((3/3+3+3)^{3/3+3}) \\
 &:= (((4+4)/4) + 4) \times (((4-4/4) + 4)^4) \\
 &:= 5 + (((5 \times 5 \times 5 - 5)^{(5+5)/5}) + 5/5) \\
 &:= 6 \times ((6/6+6)^{6-(6+6)/6}) \\
 &:= 7 \times (7 \times (7 \times ((7 \times 7) - 7))) \\
 &:= 8 + (((((8 \times (8+8)) - 8)^{(8+8)/8}) - ((8+8)/8)) \\
 &:= ((9+9) \times ((9 \times (9 \times 9+9)) - 9)) - ((99+9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14402 &:= 1 + (1 + (((11^{1+1}) - 1)^{1+1})) \\
 &:= 2 + (((2+2+2) \times (22-2))^2) \\
 &:= 3 + (((((3 \times 3 + 3)^3) - 3)/3) + ((3^3 - 3)^3)) \\
 &:= 4 \times 4 + (((((44/4)^4) - 4^4) + 4/4) \\
 &:= ((5+5)/5) + ((5 \times 5 \times 5 - 5)^{(5+5)/5}) \\
 &:= 66 + ((6/6+6) \times (((6+6)/6)^{66/6})) \\
 &:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - (77/7)) \\
 &:= ((8+8)/8) + (((8 \times (8+8)) - 8)^{(8+8)/8}) \\
 &:= ((9+9)/9) + ((99/9+9) \times ((9 \times (9 \times 9)) - 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14407 &:= 1 + (((1+1) \times (1+1+1)) + (((11^{1+1}) - 1)^{1+1})) \\
 &:= 22 + (((22/2)^{2+2}) - (2^{2 \times (2+2)})) \\
 &:= 3/3 + ((3+3) \times ((3/3+3+3)^{3/3+3})) \\
 &:= 4 + (((((44+4) \times (44+4^4)) - 4/4) + 4) \\
 &:= 5 + (((5 \times 5 \times 5 - 5)^{(5+5)/5}) + ((5+5)/5)) \\
 &:= 6/6 + (6 \times ((6/6+6)^{6-(6+6)/6})) \\
 &:= 7/7 + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
 &:= 8 + (((((8 \times (8+8)) - 8)^{(8+8)/8}) - 8/8) \\
 &:= ((9+9) \times ((9 \times (9 \times 9+9)) - 9)) - (99/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14403 &:= 1 + (1 + (1 + (((11^{1+1}) - 1)^{1+1}))) \\
 &:= 2 + (((((2+2+2) \times (22-2))^2) + 2/2) \\
 &:= 3 + (((((3 \times 3 + 3)^3)/3) + ((3^3 - 3)^3)) \\
 &:= 4 + (((44+4) \times (44+4^4)) - 4/4) \\
 &:= 5 + (((5^5 + 5)/5) \times ((5 \times 5) - ((5+5)/5))) \\
 &:= (666/6) + (6 \times ((6 \times (6 \times 66) + 6)) \\
 &:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - ((7+7+7)/7) \\
 &:= 88/8 + (((8 \times (8+8)) - 8)^{(8+8)/8}) - 8 \\
 &:= ((9+9+9)/9) + ((99/9+9) \times ((9 \times (9 \times 9)) - 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14408 &:= 11 + (((11^{1+1}) - 1)^{1+1}) - (1+1+1) \\
 &:= 2 \times (2 \times (((2^{2+2}) + 2 \times 22)^2) + 2) \\
 &:= 3 + (((((3/3+3)^3) + 3) \times (((3+3)^3) - 3/3)) \\
 &:= 4 + (((44+4) \times (44+4^4)) + 4) \\
 &:= 5 + (((5^5 + 5)/5) \times ((5 \times 5) - ((5+5)/5))) + 5) \\
 &:= (6 \times (6 \times ((6 \times 66) + 6))) - (((6+6)/6)^6) \\
 &:= ((7+7)/7) + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
 &:= 8 + (((8 \times (8+8)) - 8)^{(8+8)/8}) \\
 &:= ((9+9) \times ((9 \times (9 \times 9+9)) - 9)) - (9/9+9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14404 &:= 1 + (1 + (1 + (1 + (((11^{1+1}) - 1)^{1+1})))) \\
 &:= 2 + (((((2+2+2) \times (22-2))^2) + 2) \\
 &:= 3 + ((((((3 \times 3 + 3)^3) + 3)/3) + ((3^3 - 3)^3)) \\
 &:= 4 + ((44+4) \times (44+4^4)) \\
 &:= ((5 \times 5) + 5/5) \times (555 - 5/5) \\
 &:= ((6 - 6/6)^6) - ((66/6) \times (666/6)) \\
 &:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - ((7+7)/7) \\
 &:= (8 \times 8/(8+8)) + (((8 \times (8+8)) - 8)^{(8+8)/8}) \\
 &:= 9 + (((9+9) \times ((9 \times (9 \times 9)) + 9)) + 9999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14409 &:= 11 + (((11^{1+1}) - 1)^{1+1}) - (1+1) \\
 &:= (22/2) + (((2+2+2) \times (22-2))^2) - 2) \\
 &:= 3 + ((3+3) \times ((3/3+3+3)^{3/3+3})) \\
 &:= 4 + (((((44/4)^4) - 4^4) + 4 \times 4) + 4) \\
 &:= 5 + (((5 \times 5) + 5/5) \times (555 - 5/5)) \\
 &:= 6 + ((6 \times ((6 \times (6 \times 66) + 6)) + 666/6) \\
 &:= ((7+7+7)/7) + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
 &:= 8 + (((8 \times (8+8)) - 8)^{(8+8)/8}) + 8/8) \\
 &:= ((9+9) \times ((9 \times (9 \times 9+9)) - 9)) - 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14405 &:= 1 + (1 + (1 + (1 + (1 + (((11^{1+1}) - 1)^{1+1})))))) \\
 &:= 2 + ((((((2+2+2) \times (22-2))^2) + 2/2) + 2) \\
 &:= (((3/3+3)^3) + 3) \times (((3+3)^3) - 3/3) \\
 &:= 4 + (((44/4)^4) - 4^4) + 4 \times 4) \\
 &:= 5 + ((5 \times 5 \times 5 - 5)^{(5+5)/5}) \\
 &:= (66+6/6) \times ((6 \times 6 \times 6) - 6/6) \\
 &:= (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7/7 \\
 &:= 8 + (((8 \times (8+8)) - 8)^{(8+8)/8}) - 88/8 + 8) \\
 &:= ((9+9) \times ((9 \times (9 \times 9+9)) - 9)) - ((99+9+9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14410 &:= 11 + (((11^{1+1}) - 1)^{1+1}) - 1) \\
 &:= 2 + (((2+2+2) \times (22-2))^2) + (2 \times (2+2))) \\
 &:= (33/3) \times (((33/3)^3) - 3^3) + 3) + 3) \\
 &:= 4 + (((4+4)/4) + 4) \times (((4-4/4) + 4)^4) \\
 &:= 5 \times (5^5 - ((5 - (5+5)/5)^5)) \\
 &:= ((66+66)/6) \times (666 - 66/6) \\
 &:= (77/7) + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7) \\
 &:= 8 + (((8 \times (8+8)) - 8)^{(8+8)/8}) + ((8+8)/8)) \\
 &:= 9/9 + (((9+9) \times ((9 \times (9 \times 9+9)) - 9)) - 9)
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14411 &:= 11 + (((11^{1+1}) - 1)^{1+1}) \\
&:= (22/2) + (((2+2+2) \times (22-2))^2) \\
&:= ((3^3-3)^3) + (((3 \times 3+3)^3) + 33)/3 \\
&:= (44/4) + ((44+4) \times (44+4^4)) \\
&:= 5/5 + (5 \times (5^5 - ((5 - (5+5)/5)^5))) \\
&:= 6 + ((66+6/6) \times ((6 \times 6 \times 6) - 6/6)) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - ((7+7)/7)) \\
&:= 88/8 + (((8 \times (8+8)) - 8)^{(8+8)/8}) \\
&:= ((9+9)/9) + (((9+9) \times ((9 \times (9 \times 9+9)) - 9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14412 &:= 1 + (11 + (((11^{1+1}) - 1)^{1+1})) \\
&:= 2 \times ((2 \times (((2^{2+2}) + 2 \times 22)^2) + 2)) + 2 \\
&:= 3 + (((3+3) \times ((3/3+3+3)^{3/3+3})) + 3) \\
&:= (((4 \times (4 \times 4)) + 4) \times (4^4 - 44) - 4) \\
&:= ((5+5)/5) + (5 \times (5^5 - ((5 - (5+5)/5)^5))) \\
&:= 6 + (6 \times ((6/6+6)^{6-(6+6)/6})) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7/7) \\
&:= ((88+8)/8) + (((8 \times (8+8)) - 8)^{(8+8)/8}) \\
&:= ((99+9)/9) + ((99/9+9) \times ((9 \times (9 \times 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14413 &:= 1 + (1 + (11 + (((11^{1+1}) - 1)^{1+1}))) \\
&:= 2 + (((2+2+2) \times (22-2))^2) + (22/2) \\
&:= 3 + ((33/3) \times (((33/3)^3) - 3^3) + 3) + 3) \\
&:= 44 + (((44/4)^4) - ((4 \times 4) + 4^4)) \\
&:= 5 + (((5^5+5)/5) \times ((5 \times 5) - ((5+5)/5))) + 5) + 5) \\
&:= 6 + ((6 \times ((6/6+6)^{6-(6+6)/6})) + 6/6) \\
&:= 7 + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
&:= 88 + (((8+8) \times (888+8)) - 88/8) \\
&:= ((9-99)/(9+9)) + ((9+9) \times ((9 \times (9 \times 9+9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14414 &:= 1 + (1 + (1 + (11 + (((11^{1+1}) - 1)^{1+1})))) \\
&:= (2^{2+2}) + (((2+2+2) \times (22-2))^2) - 2) \\
&:= 3 + (((((3 \times 3+3)^3) + 33)/3) + ((3^3-3)^3)) \\
&:= 4 + (((((4+4)/4) + 4) \times (((4-4/4) + 4)^4)) + 4) \\
&:= 5 + (((5 \times 5) + 5/5) \times (555 - 5/5)) + 5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6))) - (((6+6)/6)^6)) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + 7/7) \\
&:= 8 + (((((8 \times (8+8)) - 8)^{(8+8)/8}) - ((8+8)/8) + 8) \\
&:= ((9+9)/9) \times ((9 \times ((9 \times (9 \times 9+9)) - 9)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14415 &:= ((1+1+11) \times (1111 - (1+1))) - (1+1) \\
&:= ((22/2)^{2+2}) - ((222+2) + 2) \\
&:= ((3^3-3)^3) + ((3 \times (33 \times (3+3))) - 3) \\
&:= (((4 \times (4 \times 4)) + 4) \times (4^4 - 44) - 4/4) \\
&:= 5 + (5 \times (5^5 - ((5 - (5+5)/5)^5))) \\
&:= 6 + (((6 \times ((6 \times (6 \times 66)) + 6)) + 666/6) + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + (7+7)/7) \\
&:= 8 + (((((8 \times (8+8)) - 8)^{(8+8)/8}) - 8/8) + 8) \\
&:= ((9+9) \times ((9 \times (9 \times 9+9)) - 9)) - ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14416 &:= ((1+1+11) \times (1111 - (1+1))) - 1 \\
&:= (2^{2+2}) + (((2+2+2) \times (22-2))^2) \\
&:= ((33/3)^{3/3+3}) - (((3+3)^3) + 3 \times 3) \\
&:= ((4 \times (4 \times 4)) + 4) \times (4^4 - 44) \\
&:= 5 + ((5 \times (5^5 - ((5 - (5+5)/5)^5))) + 5/5) \\
&:= 6 + (((66+66)/6) \times (666 - 66/6)) \\
&:= ((77-7)/7) + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
&:= 8 + (((((8 \times (8+8)) - 8)^{(8+8)/8}) + 8) \\
&:= ((9+9) \times ((9 \times (9 \times 9+9)) - 9)) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14417 &:= (1+1+11) \times (1111 - (1+1)) \\
&:= ((22/2)^{2+2}) - (222+2) \\
&:= ((3^3-3)^3) + ((3 \times (33 \times (3+3))) - 3/3) \\
&:= (4 \times (4+4)) + (((44/4)^4) - 4^4) \\
&:= 5 + ((5 \times (5^5 - ((5 - (5+5)/5)^5))) + ((5+5)/5)) \\
&:= 6 + (((66+6/6) \times ((6 \times 6 \times 6) - 6/6)) + 6) \\
&:= (77/7) + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
&:= 8 + (((((8 \times (8+8)) - 8)^{(8+8)/8}) + 8/8) + 8) \\
&:= ((9+9) \times ((9 \times (9 \times 9+9)) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14418 &:= 1 + ((1+1+11) \times (1111 - (1+1))) \\
&:= (2/2+2)^2 \times (((2 \times (22-2))^2) + 2) \\
&:= (3+3) \times ((3 \times (3^{3+3})) + ((3+3)^3)) \\
&:= ((4-4/4)^4) \times ((4 \times 44) + ((4+4)/4)) \\
&:= (555 \times ((5 \times 5) + 5/5)) - ((55+5)/5) \\
&:= 6 + ((6 \times ((6/6+6)^{6-(6+6)/6})) + 6) \\
&:= (7-7/7) \times ((7 \times (7 \times 7 \times 7)) + (7+7)/7) \\
&:= 8 + (((((8 \times (8+8)) - 8)^{(8+8)/8}) + ((8+8)/8)) + 8) \\
&:= (9+9) \times ((9 \times (9 \times 9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14419 &:= (11^{1+1+1+1}) - ((1+1) \times 111) \\
&:= ((22/2)^{2+2}) - 222 \\
&:= 3/3 + ((3 \times (33 \times (3+3))) + ((3^3-3)^3)) \\
&:= ((44/4)^4) - (444/((4+4)/4)) \\
&:= (555 \times ((5 \times 5) + 5/5)) - (55/5) \\
&:= ((6-6/6)^6) - ((6+6+6) \times (66+6/6)) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7/7) + 7) \\
&:= 8 + (((((8 \times (8+8)) - 8)^{(8+8)/8}) + (88/8)) \\
&:= 9/9 + ((9+9) \times ((9 \times (9 \times 9+9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14420 &:= (11-1) \times (111 + (11^{1+1+1})) \\
&:= 22 + (((2+2+2) \times (22-2))^2) - 2) \\
&:= (3^3+3/3) \times (((3-3/3)^{3 \times 3}) + 3) \\
&:= 4 + (((4 \times (4 \times 4)) + 4) \times (4^4 - 44)) \\
&:= (555 \times ((5 \times 5) + 5/5)) - (5+5) \\
&:= (6/6+6) \times (((((6+6)/6)^{66/6}) + 6) + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + 7) \\
&:= 8 + (((((8 \times (8+8)) - 8)^{(8+8)/8}) + (88+8)/8) \\
&:= ((9+9)/9) + ((9+9) \times ((9 \times (9 \times 9+9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14421 &:= 1 + ((11 - 1) \times (111 + (11^{1+1+1}))) \\
&:= 2 + (((22/2)^{2+2}) - 222) \\
&:= 3 + ((3 \times (33 \times (3 + 3))) + ((3^3 - 3)^3)) \\
&:= ((44/4)^4) - ((4 \times 44) + 44) \\
&:= ((5 \times 5) - ((5 + 5)/5)) \times ((5^5 + 5 + 5)/5) \\
&:= (6 \times (6 \times (6 \times 66))) + ((66 \times (6 \times 6 - 6))/(6 + 6)) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + 7/7) + 7) \\
&:= ((88/8) + 8) \times ((8 \times (88 + 8)) - (8/8 + 8)) \\
&:= ((9 + 9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14422 &:= 11 + (11 + (((11^{1+1}) - 1)^{1+1})) \\
&:= 22 + (((2 + 2 + 2) \times (22 - 2))^2) \\
&:= ((33/3)^{3/3+3}) - (((3 + 3)^3) + 3) \\
&:= 4 + (((4 - 4/4)^4) \times ((4 \times 44) + ((4 + 4)/4))) \\
&:= 5/5 + (((5 \times 5) - ((5 + 5)/5)) \times ((5^5 + 5 + 5)/5)) \\
&:= 66 + ((6 \times ((6 \times (6 \times 66)) + 6)) + (((6 + 6)/6)^6)) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + ((7 + 7)/7)) + 7) \\
&:= 88 + (((8 + 8) \times (888 + 8)) - ((8 + 8)/8)) \\
&:= ((9 + 9)/9) \times ((9 \times ((9 \times (9 \times 9 + 9)) - 9)) + ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14423 &:= 1 + (11 + (11 + (((11^{1+1}) - 1)^{1+1}))) \\
&:= 2 + (((22/2)^{2+2}) - 222) + 2) \\
&:= 3 + ((3^3 + 3/3) \times (((3 - 3/3)^{3 \times 3}) + 3)) \\
&:= 4 + (((44/4)^4) - (444/((4 + 4)/4))) \\
&:= 5 \times 5 + (((5^5 + 5)/5) \times ((5 \times 5) - ((5 + 5)/5))) \\
&:= (6 \times ((6 \times ((6 \times 66) + 6)) - 6)) - (6/6 + 6 + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + ((77 - 7)/7)) \\
&:= 88 + (((8 + 8) \times (888 + 8)) - 8/8) \\
&:= ((9 \times 9 + 9)/(9 + 9)) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14424 &:= ((1 + 1) \times (1 + 11)) + (((11^{1+1}) - 1)^{1+1}) \\
&:= 2 + (((2 + 2 + 2) \times (22 - 2))^2) + 22) \\
&:= (3 + 3) \times (((3/3 + 3 + 3)^{3/3+3}) + 3) \\
&:= 4 + (((4 \times (4 \times 4)) + 4) \times (4^4 - 44) + 4) \\
&:= ((5 \times 5) - 5/5) \times (((5^5 + 5)/5) - (5 \times 5)) \\
&:= (6 \times ((6 \times ((6 \times 66) + 6)) - 6)) - (6 + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + (77/7)) \\
&:= 88 + ((8 + 8) \times (888 + 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14425 &:= 1 + (((1 + 1) \times (1 + 11)) + (((11^{1+1}) - 1)^{1+1})) \\
&:= 2 + (((((22/2)^{2+2}) - 222) + 2) + 2) \\
&:= ((33/3)^{3/3+3}) - ((3 + 3)^3) \\
&:= 44 + (((44/4)^4) - (4^4 + 4)) \\
&:= (555 \times ((5 \times 5) + 5/5)) - 5 \\
&:= (6 \times ((6 \times ((6 \times 66) + 6)) - 6)) - (66/6) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + ((77 + 7)/7)) \\
&:= 8/8 + (((8 + 8) \times (888 + 8)) + 88) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14426 &:= ((1 + 1) \times (1 + 1 + 11)) + (((11^{1+1}) - 1)^{1+1}) \\
&:= 2 + (((((2 + 2 + 2) \times (22 - 2))^2) + 22) + 2) \\
&:= 3/3 + (((33/3)^{3/3+3}) - ((3 + 3)^3)) \\
&:= 44 + (((44/4)^4) - (4^4 + 4)) + 4/4) \\
&:= 5/5 + ((555 \times ((5 \times 5) + 5/5)) - 5) \\
&:= ((6 - 66)/6) + (6 \times ((6 \times ((6 \times 66) + 6)) - 6)) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7/7) + 7) + 7) \\
&:= 88 + (((8 + 8) \times (888 + 8)) + ((8 + 8)/8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14427 &:= ((1 + 1 + 11) \times (1111 - 1)) - (1 + 1 + 1) \\
&:= (2 \times (2 + 2)) + (((22/2)^{2+2}) - 222) \\
&:= 3^{3 \times 3} + ((3 - 3^3) \times (((3 + 3)^3) + 3)) \\
&:= 44 + (((44/4)^4) - ((4 + 4)/4 + 4^4)) \\
&:= ((5 + 5)/5) + ((555 \times ((5 \times 5) + 5/5)) - 5) \\
&:= 66 + (((6 \times (6 \times (6 \times 66))) - 6) + 666/6) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + 7) + 7) \\
&:= 8 + (((8 \times (8 + 8)) - 8)^{(8+8)/8}) + (88/8) + 8) \\
&:= 9 + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14428 &:= ((1 + 1 + 11) \times (1111 - 1)) - (1 + 1) \\
&:= (222 \times ((2^{2+2+2}) + 2/2)) - 2 \\
&:= 3 + (((33/3)^{3/3+3}) - ((3 + 3)^3)) \\
&:= (44 \times ((4 \times ((4 - 4/4)^4)) + 4)) - 4 \\
&:= (555 \times ((5 \times 5) + 5/5)) - ((5 + 5)/5) \\
&:= (6 \times ((6 \times ((6 \times 66) + 6)) - 6)) - ((6 + 6)/6 + 6) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + 7/7) + 7) + 7) \\
&:= 88 + (((8 + 8) \times (888 + 8)) + (8 \times 8/(8 + 8))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14429 &:= ((1 + 1 + 11) \times (1111 - 1)) - 1 \\
&:= (222 \times ((2^{2+2+2}) + 2/2)) - 2/2) \\
&:= 3 + (((33/3)^{3/3+3}) - ((3 + 3)^3)) + 3/3) \\
&:= 44 + (((44/4)^4) - 4^4) \\
&:= (555 \times ((5 \times 5) + 5/5)) - 5/5 \\
&:= (6 \times ((6 \times ((6 \times 66) + 6)) - 6)) - (6/6 + 6) \\
&:= (((7 - 7/7) + 7) \times (7777/7)) - (7 + 7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times (88 + 8)) - (8/8 + 8))) \\
&:= (99/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14430 &:= (1 + 1 + 11) \times (1111 - 1) \\
&:= 222 \times ((2^{2+2+2}) + 2/2) \\
&:= 3 + (((3 - 3^3) \times (((3 + 3)^3) + 3)) + (3^{3 \times 3})) \\
&:= 44 + (((44/4)^4) - 4^4) + 4/4) \\
&:= 555 \times ((5 \times 5) + 5/5) \\
&:= ((6 \times 6) + 6/6) \times ((6 \times 66) - 6) \\
&:= ((7 - 7/7) + 7) \times ((7777 - 7)/7) \\
&:= (888/8) \times (8 \times (8 + 8) + ((8 + 8)/8)) \\
&:= ((99 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14431 &:= 1 + ((1 + 1 + 11) \times (1111 - 1)) \\
&:= 2/2 + (222 \times ((2^{2+2+2}) + 2/2)) \\
&:= 3 + (((33/3)^{3/3+3}) - ((3 + 3)^3)) + 3 \\
&:= (44 \times ((4 \times ((4 - 4/4)^4)) + 4)) - 4/4 \\
&:= 5/5 + (555 \times ((5 \times 5) + 5/5)) \\
&:= 6/6 + (((6 \times 6) + 6/6) \times ((6 \times 66) - 6)) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + (77/7)) + 7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) - 8/8) + 88 \\
&:= ((99 + 9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14432 &:= ((1 + 1 + 11) \times 1111) - 11 \\
&:= 2 + (222 \times ((2^{2+2+2}) + 2/2)) \\
&:= (33/3) \times (((3^{3 \times 3}) - 3)/(3 \times 3 + 3 + 3)) \\
&:= 44 \times ((4 \times ((4 - 4/4)^4)) + 4) \\
&:= ((5 + 5)/5) + (555 \times ((5 \times 5) + 5/5)) \\
&:= ((6 + 6)/6) + (((6 \times 6) + 6/6) \times ((6 \times 66) - 6)) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + ((77 + 7)/7)) + 7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + 88) \\
&:= ((9 - (9 + 9)/9) + 9) \times ((99/9) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14433 &:= 1 + (((1 + 1 + 11) \times 1111) - 11) \\
&:= 2 + (222 \times ((2^{2+2+2}) + 2/2)) + 2/2 \\
&:= 3 \times (((33/3 + 3) + 3)^3) - (3 \times 33 + 3) \\
&:= 4 + (((44/4)^4) - 4^4) + 44 \\
&:= 5 + (555 \times ((5 \times 5) + 5/5)) - ((5 + 5)/5) \\
&:= 66 + ((6 \times (6 \times (6 \times 66))) + 666/6) \\
&:= 77 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) - 7/7) \\
&:= 8 + (((8 + 8) \times (888 + 8)) + 8/8) + 88 \\
&:= ((9 - 9/9) + 9) \times (((999/9) + (9 \times (9 \times 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14434 &:= 1 + (1 + (((1 + 1 + 11) \times 1111) - 11)) \\
&:= 2 + (222 \times ((2^{2+2+2}) + 2/2)) + 2 \\
&:= 3 \times 3 + (((33/3)^{3/3+3}) - ((3 + 3)^3)) \\
&:= 4 + (((44/4)^4) - 4^4) + 44 + 4/4 \\
&:= 5 + (555 \times ((5 \times 5) + 5/5)) - 5/5 \\
&:= (6 \times ((6 \times (6 \times 66) + 6)) - 6) - ((6 + 6)/6) \\
&:= 7 \times (((7 + 7)/7)^{7/7} + 7) + 7 \\
&:= 8 + (((8 + 8) \times (888 + 8)) + ((8 + 8)/8)) + 88 \\
&:= (((99 + 9 + 9)/9) \times 9999/9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14435 &:= 1 + (1 + (1 + (((1 + 1 + 11) \times 1111) - 11))) \\
&:= (2^{2+2}) + (((22/2)^{2+2}) - 222) \\
&:= ((33/3)^3) + ((3 + 3) \times ((3 \times (3^{3+3})) - 3)) \\
&:= 4 + ((44 \times ((4 \times ((4 - 4/4)^4)) + 4)) - 4/4) \\
&:= 5 + (555 \times ((5 \times 5) + 5/5)) \\
&:= (6 \times ((6 \times (6 \times 66) + 6)) - 6) - 6/6 \\
&:= 7/7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) - 7)) + 77) \\
&:= 88 + (((8 + 8) \times (888 + 8)) + (88/8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14436 &:= ((1 + 1 + 1) \times (1 + 11)) + (((11^{1+1}) - 1)^{1+1}) \\
&:= ((2^{2+2}) + 2) \times ((2 \times ((22 - 2)^2)) + 2) \\
&:= (3 + 3) \times (((3 \times (3^{3+3})) + ((3 + 3)^3)) + 3) \\
&:= 4 + (44 \times ((4 \times ((4 - 4/4)^4)) + 4)) \\
&:= 5 + ((555 \times ((5 \times 5) + 5/5)) + 5/5) \\
&:= 6 \times ((6 \times (6 \times 66) + 6)) - 6 \\
&:= (((7 - 7/7) + 7) \times (7777/7)) - 7 \\
&:= 88 + (((8 + 8) \times (888 + 8)) + ((88 + 8)/8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14437 &:= (111/(1 + 1 + 1)) + (((11^{1+1}) - 1)^{1+1}) \\
&:= (222/2)^2 + ((2 \times 22 + 2)^2) \\
&:= (((3 - 3/3) + 3)^{3+3}) - (33 \times (33 + 3)) \\
&:= 4 + (((44/4)^4) - 4^4) + 44 + 4 \\
&:= 5 + (555 \times ((5 \times 5) + 5/5)) + ((5 + 5)/5) \\
&:= 6/6 + (6 \times ((6 \times (6 \times 66) + 6)) - 6) \\
&:= 7 + (((7 - 7/7) + 7) \times ((7777 - 7)/7)) \\
&:= ((8 + 8) \times (888 + 8)) + (8888/88) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14438 &:= ((1 + 1 + 11) \times 1111) - (1 + 1 + 1 + 1 + 1) \\
&:= 2 + ((2^{2+2}) + 2) \times ((2 \times ((22 - 2)^2)) + 2) \\
&:= 3 + (((3 + 3) \times ((3 \times (3^{3+3})) - 3)) + ((33/3)^3)) \\
&:= ((44/4)^4) + (((4^4 - 44)/4) - 4^4) \\
&:= (((55 + 5 + 5)/5) \times (5555/5)) - 5 \\
&:= ((6 + 6)/6) + (6 \times ((6 \times (6 \times 66) + 6)) - 6) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + (77/7)) + 7) + 7 \\
&:= 8 + ((888/8) \times (8 \times (8 + 8) + ((8 + 8)/8))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14439 &:= ((1 + 1 + 11) \times 1111) - (1 + 1 + 1 + 1) \\
&:= 2 + (((222/2)^2) + ((2 \times 22 + 2)^2)) \\
&:= ((3^3 - 3)^3) + ((3 \times ((3 + 3)^3)) - 33) \\
&:= (((4/4 + 4) + 4) + 4) \times (4444/4) - 4 \\
&:= 5 + ((555 \times ((5 \times 5) + 5/5)) - 5/5) + 5 \\
&:= (666/6) + (6 \times (((6 \times (6 \times 66)) + 6) + 6)) \\
&:= ((7 + 7 + 7)/7) \times ((7 \times (7 \times (7 \times (7 + 7)))) + (77/7)) \\
&:= (888/8) + (((8 + 8) \times (888 + 8)) - 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14440 &:= (11 - 1) \times (1 + (111 \times (1 + 1 + 1))) \\
&:= 2 \times ((22 - 2) \times ((22 - (2/2 + 2))^2)) \\
&:= ((33/3)^{3/3+3}) - ((33 \times (3 + 3)) + 3) \\
&:= 4 + ((44 \times ((4 \times ((4 - 4/4)^4)) + 4)) + 4) \\
&:= 5 + (555 \times ((5 \times 5) + 5/5)) + 5 \\
&:= 6 + ((6 \times ((6 \times (6 \times 66) + 6)) - 6)) - ((6 + 6)/6) \\
&:= (7/7 - 77) \times (7 - (((7 + 7) \times (7 + 7)) + 7/7)) \\
&:= ((88/8) + 8) \times ((8 \times (88 + 8)) - 8) \\
&:= (99/9 + 9) \times (((9 + 9)/9) - 9) + (9 \times (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14441 &:= ((1 + 1 + 11) \times 1111) - (1 + 1) \\
&:= 22 + (((22/2)^{2+2}) - 222) \\
&:= 3333 + ((33333/3) - 3) \\
&:= ((44/4)^4) + ((4/4 + 4) \times (4 - 44)) \\
&:= (55/5) + (555 \times ((5 \times 5) + 5/5)) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6)) - 6)) - 6/6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - (7 + 7) \\
&:= 8/8 + (((88/8) + 8) \times ((8 \times (88 + 8)) - 8)) \\
&:= 9 + (((9 - ((9 + 9)/9)) + 9) \times ((99/9) + (9 \times 99)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14442 &:= ((1 + 1 + 11) \times 1111) - 1 \\
&:= 2 + (2 \times ((22 - 2) \times ((22 - (2/2 + 2))^2))) \\
&:= 3 \times (((33/3 + 3) + 3)^3) - (3 \times 33) \\
&:= 4 + (((4^4 - 44)/4) - 4^4) + ((44/4)^4) \\
&:= ((5 + 5)/5) \times (((5/5 + 5)^5) - 555) \\
&:= 6 + (6 \times ((6 \times ((6 \times 66) + 6)) - 6)) \\
&:= (7 - 7/7) \times (((7 \times (7 \times 7)) - 7/7) + 7) \\
&:= ((8 + 8)/8) + (((88/8) + 8) \times ((8 \times (88 + 8)) - 8)) \\
&:= (((9 + 9)/9) + (9 \times 9)) \times (((99 + 9)/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14443 &:= (1 + 1 + 11) \times 1111 \\
&:= ((22/2) + 2) \times (2222/2) \\
&:= (33/3) \times (((33/3)^3) - (3 \times (3 + 3))) \\
&:= (((4/4 + 4) + 4) + 4) \times (4444/4) \\
&:= ((55 + 5 + 5)/5) \times (5555/5) \\
&:= (6/6 + 6 + 6) \times (6666/6) \\
&:= ((7 - 7/7) + 7) \times (7777/7) \\
&:= ((88 + 8 + 8)/8) \times (8888/8) \\
&:= ((99 + 9 + 9)/9) \times 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14444 &:= 1 + ((1 + 1 + 11) \times 1111) \\
&:= (2 \times 22) + (((2 + 2 + 2) \times (22 - 2))^2) \\
&:= 3333 + (33333/3) \\
&:= 44 + ((44 + 4) \times (44 + 4^4)) \\
&:= 5^5 + (55/5 \times ((5 - 5/5)^5 + 5)) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6)) - 6)) + ((6 + 6)/6)) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - (77/7) \\
&:= 8/8 + (((88 + 8 + 8)/8) \times (8888/8)) \\
&:= (((9 + 9)/9)^9) + (9 \times ((9 \times ((9 \times (9 + 9)) + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14445 &:= 1 + (1 + ((1 + 1 + 11) \times 1111)) \\
&:= 2 + (((22/2) + 2) \times (2222/2)) \\
&:= 3 \times (3 \times (3333 - ((3 \times 3 + 3)^3))) \\
&:= ((44/4)^4) - ((4 \times (44 + 4)) + 4) \\
&:= (5 \times 5^5) - ((5^5/5) + 555) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6)) - 6)) + (6 \times 6/(6 + 6))) \\
&:= ((7 - 77)/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) \\
&:= ((8 + 8) \times ((888 + 8) + 8)) - ((88/8) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14446 &:= 1 + (1 + (1 + ((1 + 1 + 11) \times 1111))) \\
&:= 2 \times (((((2/2 + 2)^{2+2}) + 2) + 2)^2) - 2 \\
&:= 3 + (((33/3) \times (((33/3)^3) - (3 \times (3 + 3)))) \\
&:= 4/4 + (((44/4)^4) - ((4 \times (44 + 4)) + 4)) \\
&:= (5 \times 5^5) + (((5 - 5^5)/5) - 555) \\
&:= ((66 - 6)/6) + (6 \times ((6 \times ((6 \times 66) + 6)) - 6)) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - ((7 + 7)/7 + 7) \\
&:= ((888 - 8)/8) + ((8 + 8) \times (888 + 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) + 9/9) + 9 + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14447 &:= 1 + (1 + (1 + (1 + ((1 + 1 + 11) \times 1111)))) \\
&:= 2 + (((22/2) + 2) \times (2222/2)) + 2 \\
&:= 3 + ((33333/3) + 3333) \\
&:= (4 \times ((4 + 4)^4)) - ((44 \times 44) + 4/4) \\
&:= 5 + (((5 + 5)/5) \times (((5/5 + 5)^5) - 555)) \\
&:= (66/6) + (6 \times ((6 \times ((6 \times 66) + 6)) - 6)) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - (7/7 + 7) \\
&:= (888/8) + ((8 + 8) \times (888 + 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) + (99/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14448 &:= (1 + 111) \times ((11 \times (1 + 11)) - (1 + 1 + 1)) \\
&:= (2^{2+2+2} - 2) - ((2 \times 22)^2) \\
&:= (3 + 3) \times (((33 \times (((3 + 3)^3) + 3)) - 3)/3) \\
&:= (4 \times ((4 + 4)^4)) - (44 \times 44) \\
&:= 5 + (((55 + 5 + 5)/5) \times (5555/5)) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6)) - 6)) + 6) \\
&:= (7 - 7/7) \times (7 \times 7 \times 7 \times 7 + 7) \\
&:= (8 + 8) \times (((888 - 8/8) + 8) + 8) \\
&:= ((999 + 9)/9) \times (((999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14449 &:= (((1 + ((1 + 1 + 11)^{1+1}))^{1+1})/(1 + 1)) - 1 \\
&:= 2/2 + ((2^{2+2+2} - 2) - ((2 \times 22)^2)) \\
&:= ((3^3 - 3)^3) + (((3 - 3/3) + 3)^{3/3+3}) \\
&:= ((44/4)^4) - (4 \times (44 + 4)) \\
&:= 5 + ((55/5 \times ((5 - 5/5)^5 + 5)) + 5^5) \\
&:= 6 + ((6/6 + 6 + 6) \times (6666/6)) \\
&:= 7/7 + ((7 - 7/7) \times (7 \times 7 \times 7 \times 7 + 7)) \\
&:= 8/8 + ((8 + 8) \times (((888 - 8/8) + 8) + 8)) \\
&:= 9 + ((99/9 + 9) \times (((9 + 9)/9) - 9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14450 &:= ((1 + ((1 + 1 + 11)^{1+1}))^{1+1})/(1 + 1) \\
&:= 2 \times (((22/2 + 2)^{2+2}) + 2) + 2^2 \\
&:= ((33/3)^3) + ((3 \times ((3 + 3) \times (3^{3+3}))) - 3) \\
&:= 4/4 + (((44/4)^4) - (4 \times (44 + 4))) \\
&:= 5 \times ((5 \times (555 + 5 \times 5)) - (5 + 5)) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - ((66 + 66)/6) \\
&:= 7 + (((7 - 7/7) + 7) \times (7777/7)) \\
&:= ((8 + 8)/8) + ((8 + 8) \times (((888 - 8/8) + 8) + 8)) \\
&:= (9/9 + 9) \times ((9 \times (9 \times 9 + 9)) - ((99 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14451 &:= 1 + (((1 + ((1 + 1 + 11)^{1+1}))^{1+1}) / (1 + 1)) \\
&:= 2/2 + (2 \times (((((2/2 + 2)^{2+2}) + 2) + 2)^2)) \\
&:= ((33 + 33) \times (((3 + 3)^3) + 3)) - 3 \\
&:= 4 + ((4 \times ((4 + 4)^4)) - ((44 \times 44) + 4/4)) \\
&:= (5 \times (5^5 - (5 \times 5 + 5))) - ((5 - 5/5)^5) \\
&:= (6 \times (6 \times (6 \times 66))) + (((6 \times 66) - 6) / ((6 + 6) / 6)) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - (77/7)) \\
&:= 8 + (((88 + 8 + 8) / 8) \times (8888/8)) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - (((999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14452 &:= 11 + (((1 + 1 + 11) \times 1111) - (1 + 1)) \\
&:= 2 + (2 \times (((((2/2 + 2)^{2+2}) + 2) + 2)^2)) \\
&:= 3^3 + (((33/3)^{3/3+3}) - ((3 + 3)^3)) \\
&:= 4 + ((4 \times ((4 + 4)^4)) - (44 \times 44)) \\
&:= ((5 + 5) / 5) \times (((5/5 + 5)^5) - 555) + 5 \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6)) - 6)) + ((66 - 6) / 6)) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - ((7 + 7 + 7) / 7) \\
&:= ((8 + 8) \times ((888 + 8) + 8)) - ((88 + 8) / 8) \\
&:= 9 + (((99 + 9 + 9) / 9) \times 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14453 &:= 11 + (((1 + 1 + 11) \times 1111) - 1) \\
&:= (((((22/2)^2) + 2)^2) - ((22 + 2 + 2)^2)) \\
&:= ((33/3)^3) + (3 \times ((3 + 3) \times (3^{3+3}))) \\
&:= 4 + (((44/4)^4) - (4 \times (44 + 4))) \\
&:= 55 + (((5^5 + 5) / 5) \times ((5 \times 5) - ((5 + 5) / 5))) \\
&:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6)) - 6)) + (66/6)) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - ((7 + 7) / 7) \\
&:= ((8 + 8) \times ((888 + 8) + 8)) - (88/8) \\
&:= ((99 + 99) \times ((9/9 - 9) + (9 \times 9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14454 &:= 11 + ((1 + 1 + 11) \times 1111) \\
&:= 2 \times ((((((2/2 + 2)^{2+2}) + 2) + 2)^2) + 2) \\
&:= (33 + 33) \times (((3 + 3)^3) + 3) \\
&:= ((44/4)^4) - ((4 \times 44) + 44/4) \\
&:= 5 \times 5 + ((555 \times ((5 \times 5) + 5/5)) - 5/5) \\
&:= 66 \times ((6 \times 6 / (6 + 6)) + 6 \times 6 \times 6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - 7/7 \\
&:= ((8 - 88) / 8) + ((8 + 8) \times ((888 + 8) + 8)) \\
&:= (99 + 99) \times ((9/9 - 9) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14455 &:= ((1 + 1 + 11) \times (1 + 1111)) - 1 \\
&:= 2 + (((((22/2)^2) + 2)^2) - ((22 + 2 + 2)^2)) \\
&:= 3/3 + ((33 + 33) \times (((3 + 3)^3) + 3)) \\
&:= (((4^4 - 4) / 4) - 4) \times (4^4 - 44/4) \\
&:= 5 \times 5 + (555 \times ((5 \times 5) + 5/5)) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - ((66/6) + 6) \\
&:= 7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7) \\
&:= ((8 + 8) \times ((888 + 8) + 8)) - (8/8 + 8) \\
&:= 9/9 + ((99 + 99) \times ((9/9 - 9) + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14456 &:= (1 + 1 + 11) \times (1 + 1111) \\
&:= ((22/2) + 2) \times ((2222 + 2) / 2) \\
&:= 3 + ((3 \times ((3 + 3) \times (3^{3+3}))) + ((33/3)^3)) \\
&:= 4 + (((4 \times ((4 + 4)^4)) - (44 \times 44)) + 4) \\
&:= ((5 \times 5) + 5/5) \times (555 + 5/5) \\
&:= (6/6 + 6 + 6) \times ((6666 + 6) / 6) \\
&:= 7/7 + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) \\
&:= ((8 + 8) \times ((888 + 8) + 8)) - 8 \\
&:= ((99 + 9 + 9) / 9) \times ((9999 + 9) / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14457 &:= 1 + ((1 + 1 + 11) \times (1 + 1111)) \\
&:= ((22/2)^{2+2}) - (2 \times (2 \times (2 \times 22 + 2))) \\
&:= 3 + ((33 + 33) \times (((3 + 3)^3) + 3)) \\
&:= ((44/4)^4) - (((4 \times 44) + 4) + 4) \\
&:= 5/5 + (((5 \times 5) + 5/5) \times (555 + 5/5)) \\
&:= 6/6 + ((6/6 + 6 + 6) \times ((6666 + 6) / 6)) \\
&:= ((7 + 7) / 7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) \\
&:= 8/8 + (((8 + 8) \times ((888 + 8) + 8)) - 8) \\
&:= 9 + (((999 + 9) / 9) \times (((999/9) + 9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14458 &:= 1 + (1 + ((1 + 1 + 11) \times (1 + 1111))) \\
&:= ((2 - 22^2) \times (2 - (2 \times (2^{2+2})))) - 2 \\
&:= 3 + (((33 + 33) \times (((3 + 3)^3) + 3)) + 3/3) \\
&:= 4 + (((44/4)^4) - ((4 \times 44) + 44/4)) \\
&:= (5 \times 5^5) - (((5555 + 5) / 5) + 55) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - (((6 + 6) / 6 + 6) + 6) \\
&:= ((7 + 7 + 7) / 7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) \\
&:= ((8 + 8) / 8) + (((8 + 8) \times ((888 + 8) + 8)) - 8) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - ((999 + 99) / 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14459 &:= 1 + (1 + (1 + ((1 + 1 + 11) \times (1 + 1111)))) \\
&:= ((2 - 22^2) \times (2 - (2 \times (2^{2+2})))) - 2/2 \\
&:= 3 + (((3 \times ((3 + 3) \times (3^{3+3}))) + ((33/3)^3)) + 3) \\
&:= 4 + (((4^4 - 4) / 4) - 4) \times (4^4 - 44/4) \\
&:= (5 \times 5^5) - ((5555/5) + 55) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - (6/6 + 6 + 6) \\
&:= (77/7) + ((7 - 7/7) \times (7 \times 7 \times 7 \times 7)) \\
&:= ((88/8) + 8) \times (((8 \times (88 + 8)) - 8) + 8/8) \\
&:= 99 + ((99/9 + 9) \times ((9 \times (9 \times 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14460 &:= 1 + (1 + (1 + (1 + ((1 + 1 + 11) \times (1 + 1111)))))) \\
&:= (2 - 22^2) \times (2 - (2 \times (2^{2+2}))) \\
&:= 3 + (((33 + 33) \times (((3 + 3)^3) + 3)) + 3) \\
&:= 4^4 + ((4 \times ((4 + 4) \times 444)) - 4) \\
&:= 5 + ((555 \times ((5 \times 5) + 5/5)) + 5 \times 5) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - (6 + 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - ((7 + 7) / 7)) \\
&:= ((8 + 8) \times ((888 + 8) + 8)) - (8 \times 8 / (8 + 8)) \\
&:= (9/9 + 9) \times ((9 \times (9 \times (9 + 9))) - ((99 + 9) / 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14461 &:= 11 + (((1 + ((1 + 1 + 11)^{1+1}))^{1+1}) / (1 + 1)) \\
&:= 2/2 + ((2 - 22^2) \times (2 - (2 \times (2^{2+2})))) \\
&:= ((3^3 - 3)^3) + ((3 \times ((3 + 3)^3)) - 33/3) \\
&:= ((44/4)^4) - ((4 \times 44) + 4) \\
&:= 5 + (((5 \times 5) + 5/5) \times (555 + 5/5)) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - (66/6) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - 7/7) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) - 88/8) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9)) - 9/9)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14462 &:= 1 + (11 + (((1 + ((1 + 1 + 11)^{1+1}))^{1+1}) / (1 + 1))) \\
&:= 2 + ((2 - 22^2) \times (2 - (2 \times (2^{2+2})))) \\
&:= ((3^3 - 3)^3) + ((3 \times ((3 + 3)^3)) - 3) - 3/3 \\
&:= 4/4 + (((44/4)^4) - ((4 \times 44) + 4)) \\
&:= (((5 + 5)/5)^5) + (555 \times ((5 \times 5) + 5/5)) \\
&:= ((6 - 66)/6) + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= 7 + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) \\
&:= ((8 + 8) \times ((888 + 8) + 8)) - ((8 + 8)/8) \\
&:= 9 + (((99 + 99) \times ((9/9 - 9) + (9 \times 9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14463 &:= ((1 + 1) \times (11 - 1)) + ((1 + 1 + 11) \times 1111) \\
&:= (2 \times 22) + (((22/2)^{2+2}) - 222) \\
&:= ((3^3 - 3)^3) + (3 \times (((3 + 3)^3) - 3)) \\
&:= 4^4 + ((4 \times ((4 + 4) \times 444)) - 4/4) \\
&:= (5 \times (5^5 - (5 + 5))) - ((5555 + 5)/5) \\
&:= (((6 - 66) + 6)/6) + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) + 7/7) \\
&:= ((8 + 8) \times ((888 + 8) + 8)) - 8/8 \\
&:= 9 + ((99 + 99) \times ((9/9 - 9) + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14464 &:= 11 + (11 + (((1 + 1 + 11) \times 1111) - 1)) \\
&:= (2^{2+2+2}) \times ((222 + 2) + 2) \\
&:= 3/3 + ((3 \times (((3 + 3)^3) - 3)) + ((3^3 - 3)^3)) \\
&:= 4 \times ((4 + 4) \times ((444 + 4) + 4)) \\
&:= (5 \times (5^5 - (5 + 5))) - (5555/5) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - ((6 + 6)/6 + 6) \\
&:= (((7 + 7)/7)^7) \times (((777 + 7) + 7)/7) \\
&:= (8 + 8) \times ((888 + 8) + 8) \\
&:= 9 + (((99 + 99) \times ((9/9 - 9) + (9 \times 9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14465 &:= 11 + (11 + ((1 + 1 + 11) \times 1111)) \\
&:= ((22/2)^{2+2}) - (2 \times (2 \times 2 \times 22)) \\
&:= (33/3) + ((33 + 33) \times (((3 + 3)^3) + 3)) \\
&:= ((44/4)^4) - (4 \times 44) \\
&:= 55 \times ((5 \times 55) - ((55 + 5)/5)) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - (6/6 + 6) \\
&:= 77/7 \times ((777 - 7/7) + (7 \times 77)) \\
&:= 8/8 + ((8 + 8) \times ((888 + 8) + 8)) \\
&:= 9 + (((99 + 9 + 9)/9) \times ((9999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14466 &:= 11 + (((1 + 1 + 11) \times (1 + 1111)) - 1) \\
&:= 2 + ((2^{2+2+2}) \times ((222 + 2) + 2)) \\
&:= 3 + ((3 \times (((3 + 3)^3) - 3)) + ((3^3 - 3)^3)) \\
&:= 4/4 + (((44/4)^4) - (4 \times 44)) \\
&:= 5 + (((5 \times 5) + 5/5) \times (555 + 5/5)) + 5 \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - 6 \\
&:= (77/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) \\
&:= ((8 + 8)/8) + ((8 + 8) \times ((888 + 8) + 8)) \\
&:= 9 + (((999 + 9)/9) \times (((999/9) + 9) + 9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14467 &:= 11 + ((1 + 1 + 11) \times (1 + 1111)) \\
&:= 2 + (((22/2)^{2+2}) - (2 \times (2 \times 2 \times 22))) \\
&:= 3 + (((3 \times (((3 + 3)^3) - 3)) + ((3^3 - 3)^3)) + 3/3) \\
&:= ((4 + 4)/4) + (((44/4)^4) - (4 \times 44)) \\
&:= (((5^5 - 5)/5) + 5) \times ((5 \times 5) - ((5 + 5)/5)) \\
&:= 6/6 + ((6 \times (6 \times ((6 \times 66) + 6))) - 6) \\
&:= ((77 + 7)/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) \\
&:= 88/8 + (((8 + 8) \times ((888 + 8) + 8)) - 8) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - (((999 + 9) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14468 &:= ((1 + 1 + 11) \times (1 + 1 + 1111)) - 1 \\
&:= 2 + (((2^{2+2+2}) \times ((222 + 2) + 2)) + 2) \\
&:= ((3^3 - 3)^3) + ((3 \times ((3 + 3)^3)) - (3/3 + 3)) \\
&:= 4 + ((4 \times ((4 + 4) \times 444)) + 4^4) \\
&:= (5 \times (5 \times (555 + 5 \times 5))) - (((5 + 5)/5)^5) \\
&:= ((6 + 6)/6) + ((6 \times (6 \times ((6 \times 66) + 6))) - 6) \\
&:= 7 + (((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - 7/7) + 7) \\
&:= (8 \times 8/(8 + 8)) + ((8 + 8) \times ((888 + 8) + 8)) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14469 &:= (1 + 1 + 11) \times (1 + 1 + 1111) \\
&:= ((22/2) + 2) \times (2222/2 + 2) \\
&:= ((3^3 - 3)^3) + ((3 \times ((3 + 3)^3)) - 3) \\
&:= 4 + (((44/4)^4) - (4 \times 44)) \\
&:= 5 + ((5 \times (5^5 - (5 + 5))) - (5555/5)) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - (6 \times 6/(6 + 6)) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) + 7) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) - 88/8 + 8) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14470 &:= 1 + ((1 + 1 + 11) \times (1 + 1 + 1111)) \\
&:= (((2 + 2 + 2)^2) \times (((22 - 2)^2) + 2)) - 2 \\
&:= 3/3 + (((3^3 - 3)^3) - 3) + (3 \times ((3 + 3)^3)) \\
&:= 4 + (((44/4)^4) - (4 \times 44)) + 4/4 \\
&:= (5 \times ((5 \times (555 + 5 \times 5)) - 5)) - 5 \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - ((6 + 6)/6) \\
&:= 7 + (((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) + 7/7) + 7) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) - ((8 + 8)/8)) \\
&:= (9/9 + 9) \times ((9 \times (9 \times (9 + 9))) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14471 &:= 1 + (1 + ((1 + 1 + 11) \times (1 + 1 + 1111))) \\
&:= 2 + (((22/2) + 2) \times (2222/2 + 2)) \\
&:= ((3^3 - 3)^3) + ((3 \times ((3 + 3)^3)) - 3/3) \\
&:= 4 + (((44/4)^4) - (4 \times 44)) + ((4 + 4)/4) \\
&:= (5 \times (5^5 - (5 \times 5))) - ((5 - 5/5)^5 + 5) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) - 6/6 \\
&:= 7 + (((7 + 7)/7)^7) \times (((777 + 7) + 7)/7) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) - 8/8) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - ((9/9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14472 &:= (11^{1+1+1+1}) - ((1 + 1 + 11)^{1+1}) \\
&:= ((2 + 2 + 2)^2) \times (((22 - 2)^2) + 2) \\
&:= ((3 + 3)^3) \times (((3/3 + 3)^3) + 3) \\
&:= 4 + (((4 \times ((4 + 4) \times 444)) + 4^4) + 4) \\
&:= 5 + (((5^5 - 5)/5) + 5) \times ((5 \times 5) - ((5 + 5)/5)) \\
&:= 6 \times (6 \times ((6 \times 66) + 6)) \\
&:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) + (77/7)) \\
&:= 8 + ((8 + 8) \times ((888 + 8) + 8)) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14473 &:= 1 + ((11^{1+1+1+1}) - ((1 + 1 + 11)^{1+1})) \\
&:= 2/2 + (((2 + 2 + 2)^2) \times (((22 - 2)^2) + 2)) \\
&:= 3/3 + (((3^3 - 3)^3) + (3 \times ((3 + 3)^3))) \\
&:= 4 + (((44/4)^4) - (4 \times 44)) + 4 \\
&:= ((5^5 - (5 + 5))/5) + (5 \times ((5 \times 555) - 5)) \\
&:= 6/6 + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) + (77/7)) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) + 8/8) \\
&:= 9/9 + ((9 \times (9 \times (99 + (9 \times 9)))) - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14474 &:= 1 + (1 + ((11^{1+1+1+1}) - ((1 + 1 + 11)^{1+1}))) \\
&:= 2 + (((2 + 2 + 2)^2) \times (((22 - 2)^2) + 2)) \\
&:= 3 + (((3^3 - 3)^3) - 3/3) + (3 \times ((3 + 3)^3)) \\
&:= 4 + (((44/4)^4) - (4 \times 44)) + 4/4 + 4 \\
&:= ((5^5 - 5)/5) + (5 \times ((5 \times 555) - 5)) \\
&:= ((6 + 6)/6) + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= (77 \times ((777/7) + 77)) - ((7 + 7)/7) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) + ((8 + 8)/8)) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times (99 + (9 \times 9)))) - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14475 &:= ((1 + 1 + 11) \times (11 + 1111)) - 111 \\
&:= 2 + (((2 + 2 + 2)^2) \times (((22 - 2)^2) + 2)) + 2/2 \\
&:= 3 + (((3^3 - 3)^3) + (3 \times ((3 + 3)^3))) \\
&:= 4^4 + ((4 \times ((4 + 4) \times 444)) + 44/4) \\
&:= 5 \times (5 \times (555 + 5 \times 5)) - 5 \\
&:= (6 \times 6/(6 + 6)) + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= (77 \times ((777/7) + 77)) - 7/7 \\
&:= 88/8 + ((8 + 8) \times ((888 + 8) + 8)) \\
&:= ((9 + 9 + 9)/9) + ((9 \times (9 \times (99 + (9 \times 9)))) - (99 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14476 &:= 11 \times ((11^{1+1+1}) - (1 + (1 + 1 + 1 + 11))) \\
&:= 22 \times ((22 \times ((2 \times (2 + 2)) + 22)) - 2) \\
&:= 3 + (((3^3 - 3)^3) + (3 \times ((3 + 3)^3))) + 3/3 \\
&:= 44 + (44 \times ((4 \times ((4 - 4/4)^4)) + 4)) \\
&:= (5 \times (5^5 - (5 \times 5))) - ((5 - 5/5)^5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6))) - ((6 + 6)/6)) \\
&:= 77 \times ((777/7) + 77) \\
&:= ((88 + 8)/8) + ((8 + 8) \times ((888 + 8) + 8)) \\
&:= (99/9) \times (((9 + 9) \times ((9 \times 9) - 9)) + (99/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14477 &:= 1 + (11 \times ((11^{1+1+1}) - (1 + (1 + 1 + 1 + 11)))) \\
&:= 2/2 + (22 \times ((22 \times ((2 \times (2 + 2)) + 22)) - 2)) \\
&:= 3 + (((3^3 - 3)^3) - 3/3) + (3 \times ((3 + 3)^3)) + 3 \\
&:= (4 \times (4 - 44)) + (((44/4)^4) - 4) \\
&:= 5/5 + ((5 \times (5^5 - (5 \times 5))) - ((5 - 5/5)^5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6))) - 6/6) \\
&:= 7/7 + (77 \times ((777/7) + 77)) \\
&:= 88 + (((8 \times (8 + 8)) - 8)^{(8+8)/8}) - 88/8 \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) - ((999 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14478 &:= 11 + (11 + ((1 + 1 + 11) \times (1 + 1111))) \\
&:= 22222 - ((2 \times 2 \times 22)^2) \\
&:= 3 + (((3^3 - 3)^3) + (3 \times ((3 + 3)^3))) + 3 \\
&:= 4/4 + (((4 \times (4 - 44)) - 4) + ((44/4)^4)) \\
&:= (5 \times (5^5 - 5)) - ((5555 + 55)/5) \\
&:= 6 + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= ((7 + 7)/7) + (77 \times ((777/7) + 77)) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) - ((8 + 8)/8)) + 8 \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14479 &:= ((1 + 1)^{11}) + ((111 \times (1 + 111)) - 1) \\
&:= ((22/2)^{2+2}) - (2 \times ((2/2 + 2)^{2+2})) \\
&:= ((33/3)^{3+3}) - ((3 + 3) \times 3^3) \\
&:= 4^4 + ((4 \times ((4 + 4) \times 444) + 4) - 4/4) \\
&:= 5 + ((5 \times ((5 \times 555) - 5)) + ((5^5 - 5)/5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6))) + 6/6) \\
&:= 7 + ((7 - 7/7) \times ((7 \times (7 \times 7 \times 7)) + (77/7))) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) - 8/8) + 8 \\
&:= 9 + ((9/9 + 9) \times ((9 \times (9 \times (9 + 9))) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14480 &:= ((1 + 1)^{11}) + (111 \times (1 + 111)) \\
&:= ((2 \times 22)^2) + (((222 + 2)/2)^2) \\
&:= ((3^3 - 3)^3) + (((3^3 \times 3) - 3)/(3^3 + 3)) \\
&:= 4 \times ((4 + 4) \times ((444 + 4) + 4)) + 4 \\
&:= 5 + (5 \times ((5 \times (555 + 5 \times 5)) - 5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6))) + ((6 + 6)/6)) \\
&:= 7 + (((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) + (77/7)) + 7) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) + 8) \\
&:= (9/9 + 9) \times ((9 \times (9 \times (9 + 9))) - (9/9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14481 &:= 1 + (((1+1)^{11}) + (111 \times (1+111))) \\
&:= ((22/2)^{2+2}) + (2 \times (2 \times (2 \times (2-22)))) \\
&:= ((3^3-3)^3) + (3 \times (((3+3)^3) + 3)) \\
&:= (4 \times (4-44)) + ((44/4)^4) \\
&:= 5 + ((5 \times (5^5 - (5 \times 5))) - ((5-5/5)^5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6))) + (6 \times 6/(6+6))) \\
&:= 77 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - ((7+7)/7)) \\
&:= 8 + (((8+8) \times ((888+8) + 8)) + 8/8 + 8) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14482 &:= (1+1+11) \times (1+(1+1+1111)) \\
&:= 2 + (((222+2)/2)^2) + ((2 \times 22)^2) \\
&:= 3 + (((33/3)^{3/3+3}) - ((3+3) \times 3^3)) \\
&:= 4/4 + ((4 \times (4-44)) + ((44/4)^4)) \\
&:= ((5 \times 5) + 5/5) \times (555 + ((5+5)/5)) \\
&:= ((66-6)/6) + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= 77 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7/7) \\
&:= 8 + (((8+8) \times ((888+8) + 8)) + ((8+8)/8) + 8) \\
&:= 9/9 + ((9 \times (9 \times (99 + (9 \times 9)))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14483 &:= 1 + ((1+1+11) \times (1+(1+1+1111))) \\
&:= 2 + (2 \times (2 \times (2 \times (2-22)))) + ((22/2)^{2+2}) \\
&:= (33/3) + (((3^3-3)^3) + (3 \times ((3+3)^3))) \\
&:= ((4+4)/4) + ((4 \times (4-44)) + ((44/4)^4)) \\
&:= (5 \times (5^5 - 5)) - (((5555+5)/5) + 5) \\
&:= (66/6) + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= 77 + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
&:= 8 + (((8+8) \times ((888+8) + 8)) + (88/8)) \\
&:= ((9+9)/9) + ((9 \times (9 \times (99 + (9 \times 9)))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14484 &:= (1+11) \times ((11 \times (111-1)) - (1+1+1)) \\
&:= (((22/2)^2) + 2/2)^2 - ((22-2)^2) \\
&:= 3 + ((3 \times ((3+3)^3) + 3)) + ((3^3-3)^3) \\
&:= 4 + ((4 \times ((4+4) \times 444) + 4) + 4^4) \\
&:= (5 \times (5^5 - 5)) - (5555/5 + 5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6))) + 6) \\
&:= 7/7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + 77) \\
&:= 8 + (((8+8) \times ((888+8) + 8)) + ((88+8)/8)) \\
&:= ((9+9+9)/9) + ((9 \times (9 \times (99 + (9 \times 9)))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14485 &:= 1 + ((1+11) \times ((11 \times (111-1)) - (1+1+1))) \\
&:= (((2^2+2) + 2)^2) + (((22/2)^2) - 2)^2 \\
&:= 3 + (((33/3)^{3/3+3}) - ((3+3) \times 3^3) + 3) \\
&:= 4 + ((4 \times (4-44)) + ((44/4)^4)) \\
&:= 55 + (555 \times ((5 \times 5) + 5/5)) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) + 6))) + 6/6) + 6) \\
&:= 77 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + (7+7)/7) \\
&:= ((88+8) \times ((88-8/8) + (8 \times 8))) - (88/8) \\
&:= 9 + ((99/9) \times (((9+9) \times ((9 \times 9) - 9)) + (99/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14486 &:= (11^{1+1+1+1}) - (11 + ((1+11)^{1+1})) \\
&:= 22 + ((2^{2+2+2}) \times ((222+2) + 2)) \\
&:= ((3 \times 3 + 3 + 3)^3) + (33333/3) \\
&:= ((44/4)^4) - ((444/4) + 44) \\
&:= 5 + (((5 \times (5^5 - (5 \times 5))) - ((5-5/5)^5)) + 5) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) + 6))) + ((6+6)/6)) + 6) \\
&:= 7 + (((7-7/7) \times ((7 \times (7 \times 7 \times 7)) + (77/7))) + 7) \\
&:= 88 + (((8 \times (8+8)) - 8)^{(8+8)/8}) - ((8+8)/8) \\
&:= (9 \times ((9 \times (99 + (9 \times 9))) - 9)) - ((99+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14487 &:= 11 \times ((11^{1+1+1}) - (1+1+1+11)) \\
&:= ((22/2) + 22) \times (((22-2/2)^2) - 2) \\
&:= 33 + ((33+33) \times (((3+3)^3) + 3)) \\
&:= ((44/4)^4) + (((4-444)/4) - 44) \\
&:= 5 + (((5 \times 5) + 5/5) \times (555 + ((5+5)/5))) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) + 6))) + (6 \times 6/(6+6))) + 6) \\
&:= (77/7) + (77 \times ((777/7) + 77)) \\
&:= 88 + (((8 \times (8+8)) - 8)^{(8+8)/8}) - 8/8 \\
&:= (9 \times ((9 \times (99 + (9 \times 9))) - 9)) - ((99+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14488 &:= 1 + (11 \times ((11^{1+1+1}) - (1+1+1+11))) \\
&:= 2 \times (2 \times (((2^2+2) + 2 \times 22)^2) + 22) \\
&:= 3^{3 \times 3} - ((3 \times ((3 \times 3 + 3)^3)) + (33/3)) \\
&:= 4 + (((4 \times ((4+4) \times 444) + 4) + 4^4) + 4) \\
&:= (5 \times (5^5 - 5)) - ((5555+5)/5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6))) + ((66-6)/6)) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - ((7+7)/7)) + 77) \\
&:= 88 + (((8 \times (8+8)) - 8)^{(8+8)/8}) \\
&:= (9 \times ((9 \times (99 + (9 \times 9))) - 9)) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14489 &:= (((11-1)^{1+1}) \times (1 + ((1+11)^{1+1})) - 11 \\
&:= 2 + (((22/2) + 22) \times (((22-2/2)^2) - 2)) \\
&:= (3^3+3) + (((3^3-3)^3) - ((3/3+3)^3)) \\
&:= 4 + (((4 \times (4-44)) + ((44/4)^4)) + 4) \\
&:= (5 \times (5^5 - 5)) - (5555/5) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6))) + (66/6)) \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7/7) + 77) \\
&:= 8/8 + (((8 \times (8+8)) - 8)^{(8+8)/8}) + 88 \\
&:= (9 \times ((9 \times (99 + (9 \times 9))) - 9)) - (9/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14490 &:= (1+1+1+11) \times (11 + ((1+1)^{11-1})) \\
&:= (((22/2) + 2) + 2) \times ((2 \times 22^2) - 2) \\
&:= (3^3+3) \times ((3 \times ((3+3) \times 3^3)) - 3) \\
&:= 4 + (((44/4)^4) - ((444/4) + 44)) \\
&:= ((5^5/5) + 5) \times ((5 \times 5) - ((5+5)/5)) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) + 6))) + 6) + 6) \\
&:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + 77) \\
&:= ((8-8/8) + 8) \times (((88 \times 88) - (8+8)/8)) \\
&:= (9-99) \times (9/9 - (9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14491 &:= 1 + ((1 + 1 + 1 + 11) \times (11 + ((1 + 1)^{11-1})) \\
&:= 22 + (((22/2) + 2) \times (2222/2 + 2)) \\
&:= 3/3 + ((3^3 + 3) \times ((3 \times ((3 + 3) \times 3^3)) - 3)) \\
&:= (44 - 4/4) \times (((4 - 4/4)^4) + 4^4) \\
&:= ((55/5)^{5-5/5}) - (5 \times (5 \times 5 + 5)) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) + 6))) + 6/6) + 6) + 6 \\
&:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + 77) + 7/7) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) + (88/8) + 8) \\
&:= 9/9 + ((9 - 99) \times (9/9 - (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14492 &:= 1 + (1 + ((1 + 1 + 1 + 11) \times (11 + ((1 + 1)^{11-1}))) \\
&:= 2 + (((22/2) + 2) + 2) \times ((2 \times 22^2) - 2) \\
&:= 3 + (((3^3 - 3)^3) - ((3/3 + 3)^3)) + (3^{3+3}) \\
&:= 44 + ((4 \times ((4 + 4)^4)) - (44 \times 44)) \\
&:= 5 + (((5 \times 5) + 5/5) \times (555 + ((5 + 5)/5))) + 5 \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) + 6))) + ((6 + 6)/6)) + 6) + 6 \\
&:= 7 \times 7 + (((7 - 7/7) + 7) \times (7777/7)) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) + ((88 + 8)/8) + 8) \\
&:= ((9 + 9)/9) + ((9 - 99) \times (9/9 - (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14493 &:= 11 + ((1 + 1 + 11) \times (1 + (1 + 1 + 1111))) \\
&:= ((22/2)^{2+2}) - (((2 \times (2 + 2 + 2))^2) + 2) + 2 \\
&:= 3 + ((3^3 + 3) \times ((3 \times ((3 + 3) \times 3^3)) - 3)) \\
&:= 44 + (((44/4)^4) - (4 \times (44 + 4))) \\
&:= 5 + ((5 \times (5^5 - 5)) - ((5555 + 5)/5)) \\
&:= (6 \times (6 \times ((6 \times 66) + 6))) + ((6 \times 6 + 6)/(6 + 6)/6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7) - (77/7) \\
&:= ((88 + 8) \times ((8 \times 8) + 88)) - ((88/8) + 88) \\
&:= ((99 + 9)/9) + ((9 \times (9 \times (99 + (9 \times 9)))) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14494 &:= ((1 + 11) \times ((11 \times (111 - 1)) - (1 + 1))) - (1 + 1) \\
&:= 2 \times (((((2/2 + 2)^{2+2}) + 2) + 2)^2) + 22 \\
&:= 3 + (((3^3 + 3) \times ((3 \times ((3 + 3) \times 3^3)) - 3)) + 3/3) \\
&:= 4 + (((44/4)^4) - ((444/4) + 44)) + 4 \\
&:= 5 + ((5 \times (5^5 - 5)) - (5555/5)) \\
&:= ((66 + 66)/6) + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= 77 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + (77/7)) \\
&:= 8 \times 8 + ((888/8) \times (8 \times (8 + 8) + ((8 + 8)/8))) \\
&:= ((9 - 99)/(9 + 9)) + (9 \times ((9 \times (99 + (9 \times 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14495 &:= (1 + 1 + 11) \times (1 + (1 + (1 + 1 + 1111))) \\
&:= ((22/2) + 2) \times ((2222/2 + 2) + 2) \\
&:= 3^{3 \times 3} - (((3 \times ((3 \times 3 + 3)^3)) + 3/3) + 3) \\
&:= 4 + ((44 - 4/4) \times (((4 - 4/4)^4) + 4^4)) \\
&:= (5 \times (5 \times (555 + 5 \times 5))) - 5 \\
&:= (66 - 6/6) \times (((6 \times 6 \times 6) + 6/6) + 6) \\
&:= 77 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + ((77 + 7)/7)) \\
&:= ((88 + 8) \times ((88 - 8/8) + (8 \times 8))) - 8/8 \\
&:= ((9 - (9 \times 9))/(9 + 9)) + (9 \times ((9 \times (99 + (9 \times 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14496 &:= (1 + 11) \times ((11 \times (111 - 1)) - (1 + 1)) \\
&:= 2 \times ((22 + 2) \times (((2^{2+2}) + 2)^2) - 22) \\
&:= 3^{3 \times 3} - ((3 \times ((3 \times 3 + 3)^3)) + 3) \\
&:= 4^4 + ((4 + 4) \times ((4 \times 444) + 4)) \\
&:= 5/5 + ((5 \times (5 \times (555 + 5 \times 5))) - 5) \\
&:= (6 \times ((6 \times ((6 \times 66) + 6)) + 6)) - (6 + 6) \\
&:= (7 - 7/7) \times (((7 \times (7 \times 7 \times 7)) + 7/7) + 7) + 7 \\
&:= (88 + 8) \times ((88 - 8/8) + (8 \times 8)) \\
&:= (9 \times ((9 \times (99 + (9 \times 9))) - 9)) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14497 &:= (111 - (1 + 1)) \times (1 + (11 \times (1 + 11))) \\
&:= ((22/2)^{2+2}) - ((2 \times (2 + 2 + 2))^2) \\
&:= 3/3 + ((3^{3 \times 3}) - ((3 \times ((3 \times 3 + 3)^3)) + 3)) \\
&:= ((44/4)^4) + (4 \times ((4 - 44) + 4)) \\
&:= ((5 + 5)/5) + ((5 \times (5 \times (555 + 5 \times 5))) - 5) \\
&:= (6 \times ((6 \times ((6 \times 66) + 6)) + 6)) - (66/6) \\
&:= (7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) - 7 \\
&:= 8/8 + ((88 + 8) \times ((88 - 8/8) + (8 \times 8))) \\
&:= (9 \times ((9 \times (99 + (9 \times 9))) - 9)) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14498 &:= 11 \times ((11^{1+1+1}) - (1 + 1 + 11)) \\
&:= 22 \times (((2 + 2 + 2)^{2+2}) + 22)/2 \\
&:= 3^{3 \times 3} - ((3 \times ((3 \times 3 + 3)^3)) + 3/3) \\
&:= 4/4 + ((4 \times ((4 - 44) + 4)) + ((44/4)^4)) \\
&:= ((5^5 - (5 + 5))/5) + (5 \times 5 \times 555) \\
&:= ((6 - 66)/6) + (6 \times ((6 \times ((6 \times 66) + 6)) + 6)) \\
&:= 7/7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) - 7 \\
&:= 8 + (((8 - 8/8) + 8) \times (((88 \times 88) - (8 + 8)/8)) \\
&:= (9 \times ((9 \times (99 + (9 \times 9))) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14499 &:= 1 + (11 \times ((11^{1+1+1}) - (1 + 1 + 11))) \\
&:= 2 + (((22/2)^{2+2}) - ((2 \times (2 + 2 + 2))^2)) \\
&:= 3^{3 \times 3} - (3 \times ((3 \times 3 + 3)^3)) \\
&:= ((4 - 4/4)^4) \times (((4 \times 44) - 4/4) + 4) \\
&:= ((5^5 - 5)/5) + (5 \times 5 \times 555) \\
&:= (666/6) + (66 \times ((6 \times 6 \times 6) + ((6 + 6)/6))) \\
&:= 7 + (((7 - 7/7) + 7) \times (7777/7)) + (7 \times 7) \\
&:= 88 + (((8 \times (8 + 8)) - 8)^{(8+8)/8}) + (88/8) \\
&:= 9 \times ((9 \times (99 + (9 \times 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14500 &:= ((11 - 1)^{1+1}) \times (1 + ((1 + 11)^{1+1})) \\
&:= 2 + (22 \times (((2 + 2 + 2)^{2+2}) + 22)/2) \\
&:= 3/3 + ((3^{3 \times 3}) - (3 \times ((3 \times 3 + 3)^3))) \\
&:= 4 + (((4 + 4) \times ((4 \times 444) + 4)) + 4^4) \\
&:= 5 \times (5 \times (555 + 5 \times 5)) \\
&:= (((6 + 6)/6)^6) + (6 \times ((6 \times ((6 \times 66) + 6)) - 6)) \\
&:= 7 + ((7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) - (77/7)) \\
&:= (8 \times 888) + ((88 - ((8 + 8)/8))^{(8+8)/8}) \\
&:= 9/9 + (9 \times ((9 \times (99 + (9 \times 9))) - 9))
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 14501 &:= 1 + (((11 - 1)^{1+1}) \times (1 + ((1 + 11)^{1+1}))) \\ &:= 2 + (((22/2)^{2+2}) - ((2 \times (2 + 2 + 2))^2)) + 2 \\ &:= 3 + ((3^{3 \times 3}) - ((3 \times ((3 \times 3 + 3)^3)) + 3/3)) \\ &:= 4 + ((4 \times ((4 - 44) + 4)) + ((44/4)^4)) \\ &:= 5/5 + (5 \times (5 \times (555 + 5 \times 5))) \\ &:= (6 \times ((6 \times ((6 \times 66) + 6)) + 6)) - (6/6 + 6) \\ &:= 7 + (((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + (77/7)) + 77) \\ &:= 8888 + ((8 \times (8 \times 88)) - ((88/8) + 8)) \\ &:= ((9 + 9)/9) + (9 \times ((9 \times (99 + (9 \times 9))) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14502 &:= 1 + (1 + (((11 - 1)^{1+1}) \times (1 + ((1 + 11)^{1+1})))) \\ &:= 2 + ((22 \times (((2 + 2 + 2)^{2+2}) + 22)/2) + 2) \\ &:= 3 + ((3^{3 \times 3}) - (3 \times ((3 \times 3 + 3)^3)) \\ &:= (((4 + 4)/4) + 4) \times (((4 - 4/4) + 4)^4) + 4 \times 4 \\ &:= ((5 + 5)/5) + (5 \times (5 \times (555 + 5 \times 5))) \\ &:= (6 \times ((6 \times ((6 \times 66) + 6)) + 6)) - 6 \\ &:= (7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) - ((7 + 7)/7) \\ &:= ((88 + 8) \times ((8 \times 8) + 88)) - (((8 + 8)/8) + 88) \\ &:= ((9 + 9 + 9)/9) + (9 \times ((9 \times (99 + (9 \times 9))) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14503 &:= 1 + (1 + (1 + (((11 - 1)^{1+1}) \times (1 + ((1 + 11)^{1+1})))))) \\ &:= ((22/2)^{2+2}) - ((2/2 + 2) \times (2 \times 22 + 2)) \\ &:= 3 + (((3^{3 \times 3}) - (3 \times ((3 \times 3 + 3)^3))) + 3/3) \\ &:= 4 + (((4 - 4/4)^4) \times (((4 \times 44) - 4/4) + 4)) \\ &:= (5 \times 5^5) - ((5555 + 55)/5) \\ &:= 6/6 + ((6 \times ((6 \times ((6 \times 66) + 6)) + 6)) - 6) \\ &:= (7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) - 7/7 \\ &:= ((88 + 8) \times ((8 \times 8) + 88)) - (8/8 + 88) \\ &:= (((9 \times 9) - 9)/(9 + 9)) + (9 \times ((9 \times (99 + (9 \times 9))) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14504 &:= (1 + 1 + 1 + 11) \times (1 + (11 + ((1 + 1)^{11-1}))) \\ &:= 2 \times ((2 \times (2 \times (((2 \times 22)^2) - 2))) - 22^2) \\ &:= (3^3 + 3/3) \times (((3 - 3/3)^{3 \times 3}) + 3) + 3 \\ &:= (((44 - 4)/4) + 4) \times ((4 \times (4^4 + 4)) - 4) \\ &:= 5 + ((5 \times 5 \times 555) + ((5^5) - 5)/5) \\ &:= ((6 + 6)/6) + ((6 \times ((6 \times ((6 \times 66) + 6)) + 6)) - 6) \\ &:= 7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7) \\ &:= ((88 + 8) \times ((8 \times 8) + 88)) - 88 \\ &:= (99 - 9/9) \times (((9 \times 99) - 9)/(9 + 9)) + 99 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14505 &:= ((1 + 11) \times ((11 \times (111 - 1)) - 1)) - (1 + 1 + 1) \\ &:= (((22/2) + 2) + 2) \times ((2 \times 22^2) - 2/2) \\ &:= 3 + (((3^{3 \times 3}) - (3 \times ((3 \times 3 + 3)^3))) + 3) \\ &:= 44 + (((44/4)^4) - ((4 \times 44) + 4)) \\ &:= 5 + (5 \times (5 \times (555 + 5 \times 5))) \\ &:= (66 \times 6/(6 + 6)) + (6 \times (6 \times ((6 \times 66) + 6))) \\ &:= 7/7 + (7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) \\ &:= ((8 - 8/8) + 8) \times (((88 \times 88) - 8)/8) \\ &:= 9 + ((9 \times ((9 \times (99 + (9 \times 9))) - 9)) - ((9 + 9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14506 &:= ((1 + 11) \times ((11 \times (111 - 1)) - 1)) - (1 + 1) \\ &:= 2 + (2 \times (2 \times (2 \times (((2 \times 22)^2) - 2))) - 22^2) \\ &:= ((33/3) \times (((33/3)^3) - (3 \times 3 + 3))) - 3 \\ &:= ((44/4)^4) + ((4/4 - 4) \times (44 + 4/4)) \\ &:= 5 + ((5 \times (5 \times (555 + 5 \times 5))) + 5/5) \\ &:= (6 \times ((6 \times ((6 \times 66) + 6)) + 6)) - ((6 + 6)/6) \\ &:= ((7 + 7)/7) + (7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) \\ &:= 8/8 + (((8 - 8/8) + 8) \times (((88 \times 88) - 8)/8)) \\ &:= 9 + ((9 \times ((9 \times (99 + (9 \times 9))) - 9)) - ((9 + 9)/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14507 &:= ((1 + 11) \times ((11 \times (111 - 1)) - 1)) - 1 \\ &:= ((22/2)^{2+2}) - ((22 \times (2 + 2 + 2)) + 2) \\ &:= 3^{3 \times 3} + ((3 \times (3 - ((3 \times 3 + 3)^3))) - 3/3) \\ &:= ((44/4)^4) - (((4^4) + 4)/((4 + 4)/4)) + 4 \\ &:= 5 + ((5 \times (5 \times (555 + 5 \times 5))) + ((5 + 5)/5)) \\ &:= (6 \times ((6 \times ((6 \times 66) + 6)) + 6)) - 6/6 \\ &:= 77 + (((7 - 7/7) + 7) \times ((7777 - 7)/7)) \\ &:= (8/8 + 88) \times (((88/8) + 88) + (8 \times 8)) \\ &:= 9 + ((9 \times ((9 \times (99 + (9 \times 9))) - 9)) - 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14508 &:= (1 + 11) \times ((11 \times (111 - 1)) - 1) \\ &:= (2/2 + 2) \times ((22 \times (222 - 2)) - (2 + 2)) \\ &:= 3^{3 \times 3} + (3 \times (3 - ((3 \times 3 + 3)^3))) \\ &:= 44 + ((4 \times ((4 + 4) \times 444)) + 4^4) \\ &:= (5 \times 5^5) - ((5555 + 5)/5) + 5 \\ &:= 6 \times ((6 \times ((6 \times 66) + 6)) + 6) \\ &:= (77/7) + ((7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) - 7) \\ &:= 8888 + ((8 \times (8 \times 88)) - ((88 + 8)/8)) \\ &:= 9 + (9 \times ((9 \times (99 + (9 \times 9))) - 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14509 &:= 11 \times ((11^{1+1+1}) - (1 + 11)) \\ &:= ((22/2)^{2+2}) - (22 \times (2 + 2 + 2)) \\ &:= (33/3) \times (((33/3)^3) - (3 \times 3 + 3)) \\ &:= 44 + (((44/4)^4) - (4 \times 44)) \\ &:= (5 \times 5^5) - (5555/5 + 5) \\ &:= 6/6 + (6 \times ((6 \times ((6 \times 66) + 6)) + 6)) \\ &:= 7 + ((7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) - ((7 + 7)/7)) \\ &:= (88/8) \times ((88 \times (8 + 8)) - (8/8 + 88)) \\ &:= 9 + ((9 \times ((9 \times (99 + (9 \times 9))) - 9)) + 9/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14510 &:= 1 + (11 \times ((11^{1+1+1}) - (1 + 11))) \\ &:= 2222 + ((2 + 2 + 2) \times (2^{22/2})) \\ &:= 3^{3 \times 3} + ((33/3) - (3 \times ((3 \times 3 + 3)^3))) \\ &:= 44 + (((44/4)^4) - (4 \times 44)) + 4/4 \\ &:= 5 + ((5 \times (5 \times (555 + 5 \times 5))) + 5) \\ &:= ((6 + 6)/6) + (6 \times ((6 \times ((6 \times 66) + 6)) + 6)) \\ &:= 7 + ((7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) - 7/7) \\ &:= ((8 + 8)/8) \times (((8 \times (888 + 8)) - 8)/8 + 88) \\ &:= (99/9) + (9 \times ((9 \times (99 + (9 \times 9))) - 9)) \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14511 &:= 111 + (((11^{1+1}) - 1)^{1+1}) \\
&:= 2 + (((22/2)^{2+2}) - (22 \times (2 + 2 + 2))) \\
&:= 3 + ((3 \times (3 - ((3 \times 3 + 3)^3))) + (3^{3 \times 3})) \\
&:= ((44/4)^4) - ((4^4 + 4)/(4 + 4)/4) \\
&:= (55/5) + (5 \times (5 \times (555 + 5 \times 5))) \\
&:= (6 \times 6/(6 + 6)) + (6 \times ((6 \times (6 \times 66) + 6) + 6)) \\
&:= 7 + (7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) \\
&:= (888/8) + (((8 \times (8 + 8)) - 8)^{(8+8)/8}) \\
&:= ((99 + 9)/9) + (9 \times ((9 \times (99 + (9 \times 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14512 &:= 1 + (111 + (((11^{1+1}) - 1)^{1+1})) \\
&:= 2 \times (((2 \times 2 \times 22)^2) - ((22^2 + 2) + 2)) \\
&:= 3 + ((33/3) \times (((33/3)^3) - (3 \times 3 + 3))) \\
&:= 4 \times (((4 + 4) \times (444 + 4)) + 44) \\
&:= (5 \times 5^5) - (((5555 + 5) + 5)/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66) + 6) + 6)) - ((6 + 6)/6)) \\
&:= 7 + ((7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) + 7/7) \\
&:= (8 + 8) \times ((888 + (88/8)) + 8) \\
&:= ((99 + 9 + 9)/9) + (9 \times ((9 \times (99 + (9 \times 9))) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14513 &:= 1 + (1 + (111 + (((11^{1+1}) - 1)^{1+1}))) \\
&:= ((22/2)^{2+2}) - (2 \times (2^{2+2+2})) \\
&:= 3 + (((33/3) - (3 \times ((3 \times 3 + 3)^3))) + (3^{3 \times 3})) \\
&:= ((44/4)^4) - (4 \times (4 \times (4 + 4))) \\
&:= (5 \times 5^5) - ((5555 + 5)/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66) + 6) + 6)) - 6/6) \\
&:= ((77/7)^{77/7-7}) - (((7 + 7)/7)^7) \\
&:= ((88/8)^{8 \times 8/(8+8)}) - (8 \times (8 + 8)) \\
&:= 9 + ((9 \times ((9 \times (99 + (9 \times 9))) - 9)) + ((9 \times 9 + 9)/(9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14514 &:= 1 + (1 + (1 + (111 + (((11^{1+1}) - 1)^{1+1})))) \\
&:= (2/2 + 2) \times ((22 \times (222 - 2)) - 2) \\
&:= 3 + (((3 \times (3 - ((3 \times 3 + 3)^3))) + (3^{3 \times 3})) + 3) \\
&:= 4/4 + (((44/4)^4) - (4 \times (4 \times (4 + 4)))) \\
&:= (5 \times 5^5) - (5555/5) \\
&:= 6 + (6 \times ((6 \times (6 \times 66) + 6) + 6)) \\
&:= (7 - 7/7) \times (((7 \times (7 \times 7 \times 7)) + (77/7)) + 7) \\
&:= 8/8 + (((88/8)^{8 \times 8/(8+8)}) - (8 \times (8 + 8))) \\
&:= (9/9 + (9 \times 9)) \times ((99 - ((9 + 9 + 9)/9)) + (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14515 &:= 1 + (1 + (1 + (1 + (111 + (((11^{1+1}) - 1)^{1+1})))))) \\
&:= 2 + (((22/2)^{2+2}) - (2 \times (2^{2+2+2}))) \\
&:= ((33/3)^{3/3+3}) - ((3 \times 33) + 3^3) \\
&:= ((44/4)^4) + ((4 - 4^4)/(4 + 4)/4) \\
&:= (5 \times 5^5) + ((5 - 5555)/5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66) + 6) + 6)) + 6/6) \\
&:= (77/7) + (7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) \\
&:= 8 + ((8/8 + 88) \times (((88/8) + 88) + (8 \times 8))) \\
&:= 9 + (((9 \times ((9 \times (99 + (9 \times 9))) - 9)) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14516 &:= (11 \times (11 \times ((11^{1+1}) - 1))) - (1 + 1 + 1 + 1) \\
&:= 2 \times (((2 \times 2 \times 22)^2) - (22^2 + 2)) \\
&:= (3/3 + 3) \times (((33 \times (333 - 3)) - 3)/3) \\
&:= 4 + ((4 \times (44 \times ((4 - 4/4)^4))) + 4^4) \\
&:= ((55/5)^{5-5/5}) - (5 \times 5 \times 5) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66) + 6) + 6)) + ((6 + 6)/6)) \\
&:= ((777 - 7)/7) + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
&:= 8888 + ((8 \times (8 \times 88)) - (8 \times 8/(8 + 8))) \\
&:= 9 + (((9 \times ((9 \times (99 + (9 \times 9))) - 9)) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14517 &:= (11 \times (11 \times ((11^{1+1}) - 1))) - (1 + 1 + 1) \\
&:= (2/2 + 2) \times ((22 \times (222 - 2)) - 2/2) \\
&:= 3 \times (((3 + 3) \times ((3^3 \times (3^3 + 3)) - 3)) - 3) \\
&:= 4 + (((44/4)^4) - (4 \times (4 \times (4 + 4)))) \\
&:= 5 + ((5 \times 5^5) - (((5555 + 5) + 5)/5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66) + 6) + 6)) + (6 \times 6/(6 + 6))) \\
&:= (777/7) + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
&:= 8 + (((8 \times (8 \times 88)) - 88/8) + 8888) \\
&:= 9 + ((9 \times ((9 \times (99 + (9 \times 9))) - 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14518 &:= (1 + (11^{1+1})) \times ((11^{1+1}) - (1 + 1)) \\
&:= (22^2 \times ((2 \times (2 + 2)) + 22)) - 2 \\
&:= 3 + (((33/3)^{3/3+3}) - ((3 \times 33) + 3^3)) \\
&:= 4 + (((44/4)^4) - (4 \times (4 \times (4 + 4)))) + 4/4 \\
&:= 5 + ((5 \times 5^5) - ((5555 + 5)/5)) \\
&:= ((66 - 6)/6) + (6 \times ((6 \times (6 \times 66) + 6) + 6)) \\
&:= 7 + ((7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) + 7) \\
&:= 8888 + ((8 \times (8 \times 88)) - ((8 + 8)/8)) \\
&:= 9 + (((9 \times ((9 \times (99 + (9 \times 9))) - 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14519 &:= (11 \times (11 \times ((11^{1+1}) - 1))) - 1 \\
&:= (22^2 \times ((2 \times (2 + 2)) + 22)) - 2/2 \\
&:= (3^{3+3}) + (((3^3 - 3)^3) - (3/3 + 33)) \\
&:= ((44/4)^4) - ((444 + 44)/4) \\
&:= 5 + ((5 \times 5^5) - (5555/5)) \\
&:= (66/6) + (6 \times ((6 \times (6 \times 66) + 6) + 6)) \\
&:= 7 + (((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) + 7/7) + 7) \\
&:= 8888 + ((8 \times (8 \times 88)) - 8/8) \\
&:= 9 + ((9 \times ((9 \times (99 + (9 \times 9))) - 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14520 &:= 11 \times (11 \times ((11^{1+1}) - 1)) \\
&:= 22^2 \times ((2 \times (2 + 2)) + 22) \\
&:= (3^{3+3}) + (((3^3 - 3)^3) - 33) \\
&:= (4 - 444) \times ((44/4) - 44) \\
&:= 55 \times ((5 \times 55) - (55/5)) \\
&:= 6 + ((6 \times ((6 \times (6 \times 66) + 6) + 6)) + 6) \\
&:= 77 + (((7 - 7/7) + 7) \times (7777/7)) \\
&:= 8888 + (8 \times (8 \times 88)) \\
&:= (99/9) \times ((99/9) \times ((999/9) + 9))
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14521 &:= 1 + (11 \times (11 \times ((11^{1+1}) - 1))) \\
 &:= 2/2 + (22^2 \times ((2 \times (2 + 2)) + 22)) \\
 &:= 3/3 + (((3^3 - 3)^3) - 33) + (3^{3+3}) \\
 &:= 4 + (((44/4)^4) - (4 \times (4 \times (4 + 4)))) + 4 \\
 &:= 5 + (((55/5)^{5-5/5}) - (5 \times 5 \times 5)) \\
 &:= (6/6 + 6 + 6) \times ((6666/6) + 6) \\
 &:= ((7 - 7/7) + 7) \times (((7777 - 7)/7) + 7) \\
 &:= 8/8 + (8888 + (8 \times (8 \times 8))) \\
 &:= ((99 + 99)/9) + (9 \times ((9 \times (99 + (9 \times 9))) - 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14522 &:= 1 + (1 + (11 \times (11 \times ((11^{1+1}) - 1)))) \\
 &:= 2 + (22^2 \times ((2 \times (2 + 2)) + 22)) \\
 &:= 3 + (((3^3 - 3)^3) - (3/3 + 33)) + (3^{3+3}) \\
 &:= ((44/4)^4) - (((444/4) + 4) + 4) \\
 &:= ((5 \times 55) - 5/5) \times (55 - ((5 + 5)/5)) \\
 &:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + (66/6)) - 6 \\
 &:= (((7 + 7)/7)^{7+7}) + (7 \times (77 - (7 \times 7 \times 7))) \\
 &:= ((8 + 8)/8) + (8888 + (8 \times (8 \times 8))) \\
 &:= ((99/9 + 9) \times ((9 \times (9 \times 9)) - ((9 + 9)/9))) - (9 + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14523 &:= 1 + (1 + (1 + (11 \times (11 \times ((11^{1+1}) - 1)))) \\
 &:= 2 + ((22^2 \times ((2 \times (2 + 2)) + 22)) + 2/2) \\
 &:= 3 + (((3^3 - 3)^3) - 33) + (3^{3+3}) \\
 &:= 4 + (((44/4)^4) - ((444 + 44)/4)) \\
 &:= 5 + (((5 \times 5^5) - ((5555 + 5)/5)) + 5) \\
 &:= 6 + (((6 \times ((6 \times ((6 \times 66) + 6)) + 6)) + (6 \times 6/(6 + 6))) + 6) \\
 &:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + ((777 - 7)/7)) \\
 &:= 88/8 + ((8888 - 8) + (8 \times (8 \times 8))) \\
 &:= 9 + ((9/9 + (9 \times 9)) \times ((99 - ((9 + 9 + 9)/9)) + (9 \times 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14524 &:= 1 + (1 + (1 + (1 + (11 \times (11 \times ((11^{1+1}) - 1)))))) \\
 &:= 2 + ((22^2 \times ((2 \times (2 + 2)) + 22)) + 2) \\
 &:= (3/3 + 3) \times (((33 \times (333 - 3)) + 3)/3) \\
 &:= 4 + ((4 - 444) \times ((44/4) - 44)) \\
 &:= 5 + (((5 \times 5^5) - (5555/5)) + 5) \\
 &:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6)) + 6)) + ((66 - 6)/6)) \\
 &:= 7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + (777/7)) \\
 &:= 8888 + ((8 \times 8/(8 + 8)) + (8 \times (8 \times 8))) \\
 &:= 9 \times 9 + (((99 + 9 + 9)/9) \times 9999/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14525 &:= 1 + (1 + (1 + (1 + (1 + (11 \times (11 \times ((11^{1+1}) - 1)))))) \\
 &:= 2 + (((22^2 \times ((2 \times (2 + 2)) + 22)) + 2/2) + 2) \\
 &:= (3^{3+3}) + (((3^3 - 3)^3) - (3^3 + 3/3)) \\
 &:= 44 + ((4 \times (4 - 44)) + ((44/4)^4)) \\
 &:= 5 \times ((5 \times (555 + 5 \times 5)) + 5) \\
 &:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6)) + 6)) + (66/6)) \\
 &:= 77 + ((7 - 7/7) \times (7 \times 7 \times 7 \times 7)) \\
 &:= (((88/8) + (8 \times 8)) + 8) \times ((888/8) + (8 \times 8)) \\
 &:= (((9 + 9)/9)^9) + (9 \times ((9 \times (9 \times (9 + 9))) + 99))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14526 &:= (11^{1+1+1+1}) - (1 + (1 + (1 + (1 + 111)))) \\
 &:= (2/2 + 2) \times ((22 \times (222 - 2)) + 2) \\
 &:= 3 \times ((3 + 3) \times ((3^3 \times (3^3 + 3)) - 3)) \\
 &:= ((44/4)^4) - ((444/4) + 4) \\
 &:= 5/5 + ((55 \times (5 - (5 \times 5))) + (5 \times 5^5)) \\
 &:= 666 + (66 \times (6 \times 6 \times 6 - 6)) \\
 &:= ((7 \times 77) - 7/7) \times (((7 - 7/7) + 7) + 7) + 7 \\
 &:= 8 + (((8 \times (8 \times 8)) - ((8 + 8)/8)) + 8888) \\
 &:= 9 + (((9 \times ((9 \times (99 + (9 \times 9))) - 9)) + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14527 &:= (11^{1+1+1+1}) - (1 + (1 + (1 + 111))) \\
 &:= ((22/2)^{2+2}) - (((222 + 2)/2) + 2) \\
 &:= 3/3 + (((3^3 - 3)^3) - 3^3) + (3^{3+3}) \\
 &:= ((44/4)^4) + (((4 - 444)/4) - 4) \\
 &:= 5 + (((5 \times 55) - 5/5) \times (55 - ((5 + 5)/5))) \\
 &:= 6 + ((6/6 + 6 + 6) \times ((6666/6) + 6)) \\
 &:= (((7 + 7)/7)^7) + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) - 7) \\
 &:= 8 + (((8 \times (8 \times 8)) - 8/8) + 8888) \\
 &:= ((9/9 - 9) + (9 \times 9)) \times ((9/9 + 99) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14528 &:= (11^{1+1+1+1}) - (1 + (1 + 111)) \\
 &:= ((22/2)^{2+2}) - ((222/2) + 2) \\
 &:= ((3/3 + 3)^3) \times (((3 + 3)^3) + (33/3)) \\
 &:= (4 + 4) \times (((4 \times 444) - 4) + 44) \\
 &:= (5 \times (5^5 + 5)) - ((5555 + 55)/5) \\
 &:= (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + (66/6)) \\
 &:= 7 + (((7 - 7/7) + 7) \times (((7777 - 7)/7) + 7)) \\
 &:= 8 + (8888 + (8 \times (8 \times 8))) \\
 &:= 9 + (((9 \times ((9 \times (99 + (9 \times 9))) - 9)) + (99/9)) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14529 &:= (11^{1+1+1+1}) - (1 + 111) \\
 &:= ((22/2)^{2+2}) - ((222 + 2)/2) \\
 &:= 3 + (((3^3 - 3)^3) - 3^3) + (3^{3+3}) \\
 &:= ((44/4)^4) + (4 \times (4 - 4 \times (4 + 4))) \\
 &:= 5 + (((5 \times 5^5) - (5555/5)) + 5) + 5 \\
 &:= 6/6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + (66/6)) \\
 &:= 7 + ((7 \times (77 - (7 \times 7 \times 7))) + (((7 + 7)/7)^{7+7})) \\
 &:= 8 + ((8888 + (8 \times (8 \times 8))) + 8/8) \\
 &:= (999/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14530 &:= (11^{1+1+1+1}) - 111 \\
 &:= ((22/2)^{2+2}) - (222/2) \\
 &:= ((33/3)^{3+3+3}) - (333/3) \\
 &:= ((44/4)^4) - (444/4) \\
 &:= 5 + ((55 \times (5 - (5 \times 5))) + (5 \times 5^5)) \\
 &:= (((6 + 6)/6)^6) + ((6 \times (6 \times ((6 \times 66) + 6))) - 6) \\
 &:= ((77/7)^{77/7-7}) - (777/7) \\
 &:= ((8 + 8)/8) \times (((88/8) - 8)^8) + (8 \times 88) \\
 &:= (9/9 + 9) \times (((9 - 99)/(9 + 9)) + (9 \times (9 \times (9 + 9))))
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14531 &:= 1 + ((11^{1+1+1+1}) - 111) \\
&:= ((22/2)^{2+2}) + ((2 - 222)/2) \\
&:= 3 + (((3/3 + 3)^3) \times (((3 + 3)^3) + (33/3))) \\
&:= ((44/4)^4) + ((4 - 444)/4) \\
&:= ((55/5)^{5-5/5}) - (55 + 55) \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) + 6))) - (6/6 + 6)) \\
&:= 77 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) - 7/7) \\
&:= 88/8 + (8888 + (8 \times (8 \times 88))) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9)) - ((9 + 9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14532 &:= (1 + 11) \times (1 + (11 \times (111 - 1))) \\
&:= 2 + (((22/2)^{2+2}) - (222/2)) \\
&:= 33 + ((3^3 \times 3) - (3 \times ((3 \times 3 + 3)^3))) \\
&:= 4 + ((4 + 4) \times (((4 \times 444) - 4) + 44)) \\
&:= (((5 + 5)/5)^5) + (5 \times (5 \times (555 + 5 \times 5))) \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) + 6))) - 6) \\
&:= 77 + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) \\
&:= (8 - 8/8) \times (((8 \times ((8 \times 8 \times 8) + 8)) - 8)/(8 + 8/8)) \\
&:= ((99 + 9)/9) \times (((9999 + 9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14533 &:= 1 + ((1 + 11) \times (1 + (11 \times (111 - 1)))) \\
&:= 2 + (((22/2)^{2+2}) + ((2 - 222)/2)) \\
&:= ((33/3)^{3+3+3}) - (3 \times (33 + 3)) \\
&:= ((44/4)^4) - ((4 \times (4 \times 4)) + 44) \\
&:= (5 \times (5^5 + 5)) - (((5555 + 5)/5) + 5) \\
&:= ((66 + 6/6) \times ((6 \times 6 \times 6) + 6/6)) - 6 \\
&:= 7/7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) + 77) \\
&:= ((888/8) \times (((8 \times (8 + 8)) - 8) + (88/8))) - 8 \\
&:= ((99/9)^{(9 \times 9 - 9)/(9 + 9)}) - (99 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14534 &:= 1 + (1 + ((1 + 11) \times (1 + (11 \times (111 - 1))))) \\
&:= (2 \times 2 \times 22 - 2) \times (((22/2) + 2)^2) \\
&:= 3 + (((3/3 + 3)^3) \times (((3 + 3)^3) + (33/3))) + 3 \\
&:= 4 + (((44/4)^4) - (444/4)) \\
&:= ((5 \times 5) + 5/5) \times ((555 - 5/5) + 5) \\
&:= 6 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + (66/6)) \\
&:= (((7 + 7)/7)^7) + (7 \times (7 \times (7 \times ((7 \times 7) - 7)))) \\
&:= ((88 + 8 + 8)/8) \times (((8888 - 8)/8) + 8) \\
&:= 9 + ((9 \times ((9 \times (9 \times (9 + 9))) + 99)) + (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14535 &:= 1 + (1 + (1 + ((1 + 11) \times (1 + (11 \times (111 - 1))))) \\
&:= (((22/2) + 2) + 2) \times ((2 \times 22^2) + 2/2) \\
&:= 3 \times (((3 + 3) \times ((3^3 \times (3^3 + 3)) - 3)) + 3) \\
&:= 4 + (((4 - 444)/4) + ((44/4)^4)) \\
&:= (5 + 5 + 5) \times (((5 - 5/5)^5) - 55) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - ((666/6) + 6) \\
&:= (77 \times (((7 + 7) \times (7 + 7)) - 7)) - (77/7 + 7) \\
&:= ((8 - 8/8) + 8) \times (((88 \times 88) + 8)/8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - ((9 + 9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14536 &:= 1 + (1 + (1 + (1 + ((1 + 11) \times (1 + (11 \times (111 - 1))))) \\
&:= 2 + ((2 \times 2 \times 22 - 2) \times (((22/2) + 2)^2)) \\
&:= (((3 - 3/3) + 3)^{3+3}) - (33 \times 33) \\
&:= (((4 - 4/4)^4) \times ((4 \times 44) + 4)) - 44 \\
&:= 5 + (((55/5)^{5-5/5}) - (55 + 55)) \\
&:= (((6 + 6)/6)^6) + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= ((77/7)^{77/7-7}) - (7 \times (7 + 7) + 7) \\
&:= 8 + ((8888 + (8 \times (8 \times 88))) + 8) \\
&:= 9 + (((9/9 - 9) + (9 \times 9)) \times ((9/9 + 99) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14537 &:= (111 \times ((11 \times (1 + 11)) - 1)) - (1 + 1 + 1 + 1) \\
&:= ((22/2)^{2+2}) - (2 \times (2 \times (22 + 2 + 2))) \\
&:= 3 \times 3 + (((3/3 + 3)^3) \times (((3 + 3)^3) + (33/3))) \\
&:= 4 + (((44/4)^4) - ((4 \times (4 \times 4)) + 44)) \\
&:= (5 \times (5^5 + 5)) - (((5555 + 5) + 5)/5) \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) + 6))) - 6/6) \\
&:= 7 + (((77/7)^{77/7-7}) - (777/7)) \\
&:= ((88/8)^{8 \times 8/(8+8)}) - (88 + 8 + 8) \\
&:= 9 + (((9 \times ((9 \times (99 + (9 \times 9))) - 9)) + (99/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14538 &:= (111 \times ((11 \times (1 + 11)) - 1)) - (1 + 1 + 1) \\
&:= ((2 - 22) \times (2 - ((2/2 + 2)^{2+2+2}))) - 2 \\
&:= 3 + (((3^3 - 3)^3) - (3 \times (3 + 3))) + (3^3 + 3) \\
&:= 4 + (((44/4)^4) - (444/4)) + 4 \\
&:= (5 \times (5^5 + 5)) - ((5555 + 5)/5) \\
&:= 66 + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= (77 \times (((7 + 7) \times (7 + 7)) - 7)) - ((7/7 + 7) + 7) \\
&:= 8 + (((8 + 8)/8) \times (((88/8 - 8)^8) + (8 \times 88))) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14539 &:= (111 \times ((11 \times (1 + 11)) - 1)) - (1 + 1) \\
&:= 2222 + (((222/2)^2) - (2 + 2)) \\
&:= (((3/3 + 3)^3) + 3) \times (((3 + 3)^3) + 3/3) \\
&:= 4 + (((4 - 444)/4) + ((44/4)^4)) + 4 \\
&:= (5 \times (5^5 + 5)) - (5555/5) \\
&:= (66 + 6/6) \times ((6 \times 6 \times 6) + 6/6) \\
&:= (77 \times (((7 + 7) \times (7 + 7)) - 7)) - (7 + 7) \\
&:= 8 + ((8888 + (8 \times (8 \times 88))) + (88/8)) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - (((9 \times (9 \times 9)) + 9)/(9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14540 &:= (111 \times ((11 \times (1 + 11)) - 1)) - 1 \\
&:= (2 - 22) \times (2 - ((2/2 + 2)^{2+2+2})) \\
&:= ((33/3) + 3 \times 3) \times (((3^3 + 3) - 3) + 3/3) \\
&:= ((44/4)^4) - (4444/44) \\
&:= 5 + ((5 + 5 + 5) \times (((5 - 5/5)^5) - 55)) \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) + 6))) + ((6 + 6)/6)) \\
&:= 7/7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) - (7 + 7)) \\
&:= 8 + (((88 + 8)/8) + (8 \times (8 \times 88))) + 8888 \\
&:= (99/9 + 9) \times ((9 \times (9 \times 9)) - ((9 + 9)/9))
\end{aligned}$$

- **14541** := $111 \times ((11 \times (1 + 11)) - 1)$
:= $2222 + (((222/2)^2) - 2)$
:= $(3^{3+3}) + (((3^3 - 3)^3) - (3 \times 3 + 3))$
:= $((44/4)^4) + ((44 - 444)/4)$
:= $(5 \times 5^5) - (((5 - 5/5)^5) + 55) + 5$
:= $(666/6) \times ((66 - 6/6) + 66)$
:= $7 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + (((7 + 7)/7)^7))$
:= $(888/8) \times (((8 \times (8 + 8)) - 8) + (88/8))$
:= $(999/9) \times (((999 + 99)/9) + 9)$
- **14542** := $1 + (111 \times ((11 \times (1 + 11)) - 1))$
:= $22 + (22^2 \times ((2 \times (2 + 2)) + 22))$
:= $(33/3) \times (((33/3)^3) - 3 \times 3)$
:= $4 + (((((44/4)^4) - (444/4)) + 4) + 4)$
:= $5 + ((5 \times (5^5 + 5)) - (((5555 + 5) + 5)/5))$
:= $6 + ((6 \times (6 \times ((6 \times 66) + 6))) + (((6 + 6)/6)^6))$
:= $(77 \times (((7 + 7) \times (7 + 7)) - 7)) - (77/7)$
:= $(88/8) \times ((88 \times ((8 - 8/8) + 8)) + ((8 + 8)/8))$
:= $((99/9)^{(9 \times 9 - 9)/(9 + 9)}) - 99$
- **14543** := $1 + (1 + (111 \times ((11 \times (1 + 11)) - 1)))$
:= $2222 + ((222/2)^2)$
:= $3/3 + ((33/3) \times (((33/3)^3) - 3 \times 3))$
:= $(4 \times (((4 + 4)^4) - 444)) - ((4^4 + 4)/4)$
:= $5 + ((5 \times (5^5 + 5)) - ((5555 + 5)/5))$
:= $(6 \times (((6 \times ((6 \times 66) + 6)) + 6) + 6)) - 6/6$
:= $((77/7)^{77/7 - 7}) - (7 \times (7 + 7))$
:= $8 + (((8 - 8/8) + 8) \times (((88 \times 88) + 8)/8))$
:= $((9 + 9) \times ((9 \times (9 \times 9 + 9)) - ((9 + 9)/9))) - 9/9$
- **14544** := $(1 + 11) \times (1 + (1 + (11 \times (111 - 1))))$
:= $((2 + 2 + 2)^2) \times (((22 - 2)^2) + 2) + 2$
:= $(3^{3+3}) + (((3^3 - 3)^3) - 3 \times 3)$
:= $4 \times (((4 + 4)^4) - (444 + 4 \times 4))$
:= $5 + ((5 \times (5^5 + 5)) - (5555/5))$
:= $6 \times (((6 \times ((6 \times 66) + 6)) + 6) + 6)$
:= $((7 + 7)/7 + 7) \times ((77 \times (7 + 7 + 7)) - 7/7)$
:= $88 + (((8 + 8) \times ((888 + 8) + 8)) - 8)$
:= $(9 + 9) \times ((9 \times (9 \times 9 + 9)) - ((9 + 9)/9))$
- **14545** := $1 + ((1 + 11) \times (1 + (1 + (11 \times (111 - 1))))))$
:= $2 + (((222/2)^2) + 2222)$
:= $3 + ((33/3) \times (((33/3)^3) - 3 \times 3))$
:= $((44/4)^4) + ((4 + 4) \times (4 - 4 \times 4))$
:= $(5 \times ((55 \times 55) - 5)) - 555$
:= $((6 - 6/6)^6) + (6 \times (6 \times (6 - 6 \times 6)))$
:= $(77 \times (((7 + 7) \times (7 + 7)) - 7)) - (7/7 + 7)$
:= $((88/8)^{8 \times 8/(8+8)}) - (88 + 8)$
:= $9/9 + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - ((9 + 9)/9)))$
- **14546** := $1 + (1 + ((1 + 11) \times (1 + (1 + (11 \times (111 - 1))))))$
:= $2 + (((2 + 2 + 2)^2) \times (((22 - 2)^2) + 2) + 2)$
:= $(3^{3+3}) + (((3^3 - 3)^3) - (3/3 + 3 + 3))$
:= $4 \times 4 + (((44/4)^4) - (444/4))$
:= $(5 \times 5^5) - (((5 - 5/5)^5) + 55)$
:= $6/6 + ((6 \times (6 \times (6 - 6 \times 6))) + ((6 - 6/6)^6))$
:= $(77 \times (((7 + 7) \times (7 + 7)) - 7)) - 7$
:= $8/8 + (((88/8)^{8 \times 8/(8+8)}) - (88 + 8))$
:= $((9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - ((9 + 9)/9)))$
- **14547** := $(1 + 1 + 11) \times (((11 - 1) \times (1 + 111)) - 1)$
:= $2 + (((222/2)^2) + 2222) + 2$
:= $(3^{3+3}) + (((3^3 - 3)^3) - (3 + 3))$
:= $4 \times 4 + (((4 - 444)/4) + ((44/4)^4))$
:= $5/5 + ((5 \times 5^5) - (((5 - 5/5)^5) + 55))$
:= $6 + ((666/6) \times ((66 - 6/6) + 66))$
:= $7/7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) - 7)$
:= $((88 + 8 + 8)/8) \times ((8888/8) + 8)$
:= $((99 + 9 + 9)/9) \times (((9999 - 9)/9) + 9)$
- **14548** := $1 + ((1 + 1 + 11) \times (((11 - 1) \times (1 + 111)) - 1))$
:= $((((22/2) + 2) + 2) \times ((2 \times 22^2) + 2)) - 2$
:= $3 + (((33/3) \times (((33/3)^3) - 3 \times 3)) + 3)$
:= $4 + (4 \times (((4 + 4)^4) - (444 + 4 \times 4)))$
:= $(5 \times 5^5) + (((5 + 5)/5)^{55/5}) - 5^5$
:= $6 + (((6 \times (6 \times ((6 \times 66) + 6))) + (((6 + 6)/6)^6)) + 6)$
:= $((7 + 7)/7) + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) - 7)$
:= $((88 + 8) \times ((8 \times 8) + 88)) - (88/((8 + 8)/8))$
:= $9 + ((9 \times (9 \times (99 + (9 \times 9)))) - (((9 \times (9 \times 9)) + 9)/(9 + 9)))$
- **14549** := $((11 - 1) \times ((1 + 1 + 11) \times (1 + 111))) - 11$
:= $((22/2)^{2+2}) - (2 \times (2 \times 22 + 2))$
:= $(3^{3+3}) + (((3^3 - 3)^3) - (3/3 + 3))$
:= $((44/4)^4) - ((44 + 44) + 4)$
:= $5 + (((5 \times (5^5 + 5)) - (5555/5)) + 5)$
:= $6 + ((6 \times (((6 \times ((6 \times 66) + 6)) + 6) + 6)) - 6/6)$
:= $7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) - (77/7))$
:= $8 + ((888/8) \times (((8 \times (8 + 8)) - 8) + (88/8)))$
:= $9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) - ((9 + 9)/9)))$
- **14550** := $(11 - 1) \times (((1 + 1 + 11) \times (1 + 111)) - 1)$
:= $((((22/2) + 2) + 2) \times ((2 \times 22^2) + 2))$
:= $(3^{3+3}) + (((3^3 - 3)^3) - 3)$
:= $4 + (((44/4)^4) - (444/4)) + 4 \times 4$
:= $5 \times (((5 \times (555 + 5 \times 5)) + 5) + 5)$
:= $6 + (6 \times (((6 \times ((6 \times 66) + 6)) + 6) + 6))$
:= $7 + (((77/7)^{77/7 - 7}) - (7 \times (7 + 7)))$
:= $((8 - 8/8) + 8) \times (((88 \times 88) + 8) + 8/8)$
:= $(9/9 + 9) \times ((9 \times (9 \times (9 + 9))) - ((9 + 9 + 9)/9))$

$$\begin{aligned}
\blacktriangleright 14551 &:= 11 + ((111 \times ((11 \times (1 + 11)) - 1)) - 1) \\
&:= ((22/2)^{2+2}) - (2 \times 2 \times 22 + 2) \\
&:= 3/3 + (((3^3 - 3)^3) - 3) + (3^{3+3}) \\
&:= ((44/4)^4) - (((4 + 4)/4) + 44) + 44 \\
&:= (5 \times (5^5 - (5 + 5))) - ((5 - 5/5)^5) \\
&:= 6 + ((6 \times (6 \times (6 - 6 \times 6))) + ((6 - 6/6)^6)) \\
&:= (77 \times (((7 + 7) \times (7 + 7)) - 7)) - ((7 + 7)/7) \\
&:= 88 + (((8 + 8) \times ((888 + 8) + 8)) - 8/8) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9)) - 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14552 &:= 11 + (111 \times ((11 \times (1 + 11)) - 1)) \\
&:= 2 + (((22/2) + 2) + 2) \times ((2 \times 22^2) + 2) \\
&:= (3^{3+3}) + (((3^3 - 3)^3) - 3/3) \\
&:= (4 + 4) \times (((4 \times 444) - 4/4) + 44) \\
&:= 5/5 + ((5 \times (5^5 - (5 + 5))) - ((5 - 5/5)^5)) \\
&:= (((6 + 6)/6) + 66) \times ((6 \times 6 \times 6) - ((6 + 6)/6)) \\
&:= (77 \times (((7 + 7) \times (7 + 7)) - 7)) - 7/7 \\
&:= 88 + ((8 + 8) \times ((888 + 8) + 8)) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - (((9/9 + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14553 &:= 1 + (11 + (111 \times ((11 \times (1 + 11)) - 1))) \\
&:= ((22/2)^{2+2}) - (2 \times 2 \times 22) \\
&:= (3^{3+3}) + ((3^3 - 3)^3) \\
&:= ((44/4)^4) - (44 + 44) \\
&:= 5 + (((((5 + 5)/5)^{55/5}) - 5^5) + (5 \times 5^5)) \\
&:= 6 + (((666/6) \times ((66 - 6/6) + 66)) + 6) \\
&:= 77 \times (((7 + 7) \times (7 + 7)) - 7) \\
&:= ((88/8)^{8 \times 8 / (8+8)}) - 88 \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - (9 + 9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14554 &:= 111 + ((1 + 1 + 11) \times 1111) \\
&:= 2/2 + (((22/2)^{2+2}) - (2 \times 2 \times 22)) \\
&:= 3/3 + (((3^3 - 3)^3) + (3^{3+3})) \\
&:= 4/4 + (((44/4)^4) - (44 + 44)) \\
&:= 55 + ((5 \times 5 \times 555) + ((5^5 - 5)/5)) \\
&:= 666 + (((6 + 6)/6)^6) \times ((6 \times 6 \times 6) + 6/6) \\
&:= 7/7 + (77 \times (((7 + 7) \times (7 + 7)) - 7)) \\
&:= 8/8 + (((88/8)^{8 \times 8 / (8+8)}) - 88) \\
&:= 9/9 + ((9 \times (9 \times (99 + (9 \times 9)))) - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14555 &:= 1 + (111 + ((1 + 1 + 11) \times 1111)) \\
&:= 2 + (((22/2)^{2+2}) - (2 \times 2 \times 22)) \\
&:= 3 + (((3^3 - 3)^3) - 3/3) + (3^{3+3}) \\
&:= ((4 + 4)/4) + (((44/4)^4) - (44 + 44)) \\
&:= 5 \times (((55 - 5/5)^{(5+5)/5}) - 5) \\
&:= (66/6) + (6 \times (((6 \times (6 \times 66) + 6)) + 6) + 6) \\
&:= ((7 + 7)/7) + (77 \times (((7 + 7) \times (7 + 7)) - 7)) \\
&:= 8 + (((88 + 8 + 8)/8) \times ((8888/8) + 8)) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times (99 + (9 \times 9)))) - (9 + 9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14556 &:= (1 + 11) \times (1 + (1 + (1 + (11 \times (111 - 1))))) \\
&:= 2 \times (((2 \times (2 \times 22 - 2))^2) + 222) \\
&:= 3 + (((3^3 - 3)^3) + (3^{3+3})) \\
&:= ((44/4)^4) - (((4 - 4/4)^4) + 4) \\
&:= 5 + ((5 \times (5^5 - (5 + 5))) - ((5 - 5/5)^5)) \\
&:= 6 + ((6 \times (((6 \times (6 \times 66) + 6)) + 6) + 6) + 6) \\
&:= ((7 + 7 + 7)/7) + (77 \times (((7 + 7) \times (7 + 7)) - 7)) \\
&:= ((88 + 8)/8) \times (((88/8) \times (888/8)) - 8) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9 + 9))) - ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14557 &:= 1 + ((1 + 11) \times (1 + (1 + (1 + (11 \times (111 - 1))))) \\
&:= (2 \times (2 - (2 \times 22))) + ((22/2)^{2+2}) \\
&:= 3 + (((3^3 - 3)^3) + (3^{3+3})) + 3/3 \\
&:= 4 + (((44/4)^4) - (44 + 44)) \\
&:= 5 + (((5 \times (5^5 - (5 + 5))) - ((5 - 5/5)^5)) + 5/5) \\
&:= 6 + (((6 \times (6 \times (6 - 6 \times 6))) + ((6 - 6/6)^6)) + 6) \\
&:= ((77/7)^{77/7-7}) - (77 + 7) \\
&:= (((88/8) + 8) \times ((8 \times (88 + 8)) - 8/8)) - (8 + 8) \\
&:= 9999/9 + ((9 + 9) \times ((9 \times (9 \times 9)) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14558 &:= ((11 - 1) \times ((1 + 1 + 11) \times (1 + 111))) - (1 + 1) \\
&:= 2 + (2 \times (((2 \times (2 \times 22 - 2))^2) + 222)) \\
&:= 3 + (((((3^3 - 3)^3) - 3/3) + (3^{3+3})) + 3) \\
&:= 4 + (((44/4)^4) - (44 + 44)) + 4/4 \\
&:= (5 \times (5^5 - 5)) - (((5 \times 5^5) + 5)/(5 + 5 + 5)) \\
&:= (((6 + 6)/6)^6) - 6 \times ((6 \times (6 \times 6 + 6)) - 6/6) \\
&:= 7 + (77 \times (((7 + 7) \times (7 + 7)) - 7)) - ((7 + 7)/7)) \\
&:= 8 + (((8 - 8/8) + 8) \times (((88 \times 88) + 8) + 8/8)) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9 + 9))) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14559 &:= ((11 - 1) \times ((1 + 1 + 11) \times (1 + 111))) - 1 \\
&:= 2 + ((2 \times (2 - (2 \times 22))) + ((22/2)^{2+2})) \\
&:= 3 + (((3^3 - 3)^3) + (3^{3+3})) + 3 \\
&:= ((44/4)^4) - (((4 - 4/4)^4) + 4/4) \\
&:= (((5 \times 5) + 5/5) \times (555 + 5)) - 5/5 \\
&:= ((6 \times 6/(6 + 6)) + 66) \times ((6 \times 6 \times 6 - 6) + 6/6) \\
&:= 7 + (77 \times (((7 + 7) \times (7 + 7)) - 7)) - 7/7 \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) - 8/8) + 88 \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - (((99 + 9)/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14560 &:= (11 - 1) \times ((1 + 1 + 11) \times (1 + 111)) \\
&:= (2^{2+2}) \times ((2 \times 2 \times 222) + 22) \\
&:= ((33/3)^{3/3+3}) - (3 \times 3^3) \\
&:= (4 + 4) \times ((4 \times 444) + 44) \\
&:= ((5 \times 5) + 5/5) \times (555 + 5) \\
&:= (66 - 6/6) \times (((6 \times 6 \times 6) + ((6 + 6)/6)) + 6) \\
&:= 7 + (77 \times (((7 + 7) \times (7 + 7)) - 7)) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) + 88) \\
&:= (99/9 + 9) \times ((9 \times (9 \times 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14561 &:= 1 + ((11 - 1) \times ((1 + 1 + 11) \times (1 + 111))) \\
 &:= ((22 - 2)^2) + (((22/2)^2) - 2)^2 \\
 &:= ((3^3 \times 3)/3) + (((33/3) + 3 \times 3)^3) \\
 &:= ((44/4)^4) - (4 \times (4 \times 4 + 4)) \\
 &:= 5/5 + (((5 \times 5) + 5/5) \times (555 + 5)) \\
 &:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6)) + 6) + 6)) + (66/6) \\
 &:= 7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) + 7/7) \\
 &:= 8 + (((88/8)^{8 \times 8/(8+8)}) - 88) \\
 &:= (9 \times (9 \times (99 + (9 \times 9)))) - ((9/9 + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14566 &:= 111 + (((1 + 1 + 11) \times (1 + 1111)) - 1) \\
 &:= 2 + (22 \times ((22 \times ((2 \times (2 + 2)) + 22)) + 2)) \\
 &:= 3 + (((33/3)^{3/3+3}) - (3 \times 3^3)) + 3 \\
 &:= ((44/4)^4) - (44 + 4^4)/4 \\
 &:= (5 \times (5^5 - 5)) - (((5 - 5/5)^5 + 5) + 5) \\
 &:= 6 + ((66 - 6/6) \times (((6 \times 6 \times 6) + ((6 + 6)/6)) + 6)) \\
 &:= 7 + (((77 \times (((7 + 7) \times (7 + 7)) - 7)) - 7/7) + 7) \\
 &:= ((88/8)^{8 \times 8/(8+8)}) - ((88/8) + (8 \times 8)) \\
 &:= ((9 + 9)/9) \times (((9 \times (9 \times (9 \times 9 + 9))) - 9) + ((9 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14562 &:= 1 + (1 + ((11 - 1) \times ((1 + 1 + 11) \times (1 + 111)))) \\
 &:= 2 + ((2^{2+2}) \times ((2 \times 2 \times 222) + 22)) \\
 &:= 3 \times 3 + (((3^3 - 3)^3) + (3^{3+3})) \\
 &:= 4/4 + (((44/4)^4) - (4 \times (4 \times 4 + 4))) \\
 &:= ((5 + 5)/5) + (((5 \times 5) + 5/5) \times (555 + 5)) \\
 &:= 6 + (((6 \times ((6 \times ((6 \times 66) + 6)) + 6) + 6)) + 6) + 6 \\
 &:= 7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) + (7 + 7)/7) \\
 &:= 8 + (((88/8)^{8 \times 8/(8+8)}) - 88) + 8/8 \\
 &:= (9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14567 &:= 111 + ((1 + 1 + 11) \times (1 + 1111)) \\
 &:= ((22/2)^{2+2}) - ((2 \times ((2 + 2 + 2)^2)) + 2) \\
 &:= 3 + (((3^3 - 3)^3) + (3^{3+3})) + (33/3) \\
 &:= ((44/4)^4) + ((4 - (44 + 4^4))/4) \\
 &:= 5 + (((5 \times 5) + 5/5) \times (555 + 5)) + ((5 + 5)/5) \\
 &:= 66 + ((6 \times ((6 \times ((6 \times 66) + 6)) + 6)) - (6/6 + 6)) \\
 &:= 7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) + 7) \\
 &:= (888/8) + (((8 + 8) \times ((888 + 8) + 8)) - 8) \\
 &:= (9 \times (9 \times (99 + (9 \times 9)))) - ((99 + 9 + 9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14563 &:= 11 + (11 + (111 \times ((11 \times (1 + 11)) - 1))) \\
 &:= 2 + (((((22/2)^2) - 2)^2) + ((22 - 2)^2)) \\
 &:= 3 + (((33/3)^{3/3+3}) - (3 \times 3^3)) \\
 &:= 4 + (((44/4)^4) - (((4 - 4/4)^4) + 4/4)) \\
 &:= ((5^5 + 5)/(5 + 5)) + (5 \times (5^5 - (5 \times 55))) \\
 &:= ((6 - 6/6)^6) - (666 + (6 \times 66)) \\
 &:= ((77 - 7)/7) + (77 \times (((7 + 7) \times (7 + 7)) - 7)) \\
 &:= 88 + (((8 + 8) \times ((888 + 8) + 8)) + (88/8)) \\
 &:= 9/9 + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14568 &:= 1 + (111 + ((1 + 1 + 11) \times (1 + 1111))) \\
 &:= (22 + 2) \times (((22/2)^2) + 22^2) + 2 \\
 &:= (3 \times ((3 \times (3^3 \times (3^3 + 33))) - 3)) - 3 \\
 &:= 4 + (((4 + 4) \times ((4 \times 444) + 44)) + 4) \\
 &:= 55 + ((5 \times 5^5) - ((5555 + 5)/5)) \\
 &:= 66 + ((6 \times ((6 \times ((6 \times 66) + 6)) + 6)) - 6) \\
 &:= 7 + (((77 \times (((7 + 7) \times (7 + 7)) - 7)) + 7/7) + 7) \\
 &:= ((88 + 8) \times ((8 \times 8) + 88)) - (8 + 8 + 8) \\
 &:= (9 \times (9 \times (99 + (9 \times 9)))) - ((99 + 9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14564 &:= (11^{1+1}) + ((1 + 1 + 11) \times 1111) \\
 &:= 22 \times ((22 \times ((2 \times (2 + 2)) + 22)) + 2) \\
 &:= (3^{3+3}) + (((3^3 - 3)^3) + (33/3)) \\
 &:= 4 + ((4 + 4) \times ((4 \times 444) + 44)) \\
 &:= (5 \times (5^5 + 5 + 5)) - (5555/5) \\
 &:= 6 + (((((6 + 6)/6)^6) - 6) \times ((6 \times (6 \times 6 + 6)) - 6/6)) \\
 &:= ((77/7)^{77/7-7}) - 77 \\
 &:= 88/8 + (((88/8)^{8 \times 8/(8+8)}) - 88) \\
 &:= ((9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14569 &:= ((1 + 1 + 11)^{1+1}) + (((11^{1+1}) - 1)^{1+1}) \\
 &:= ((22/2)^{2+2}) - (2 \times ((2 + 2 + 2)^2)) \\
 &:= (3 \times (3 - 3^3)) + ((33/3)^{3/3+3}) \\
 &:= ((44/4)^4) - (((4 \times (4 \times 4)) + 4) + 4) \\
 &:= 55 + ((5 \times 5^5) - (5555/5)) \\
 &:= (((66/6)^{6-(6+6)/6}) - (66 + 6)) \\
 &:= 7 + (((77 \times (((7 + 7) \times (7 + 7)) - 7)) + ((7 + 7)/7)) + 7) \\
 &:= ((88/8)^{8 \times 8/(8+8)}) - ((8 \times 8) + 8) \\
 &:= (9 \times (9 \times (99 + (9 \times 9)))) - (99/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14565 &:= 1 + ((11^{1+1}) + ((1 + 1 + 11) \times 1111)) \\
 &:= 22 + (((222/2)^2) + 2222) \\
 &:= 3 + (((3^3 - 3)^3) + (3^{3+3})) + 3 \times 3 \\
 &:= 4 + (((44/4)^4) - (4 \times (4 \times 4 + 4))) \\
 &:= 5 + (((5 \times 5) + 5/5) \times (555 + 5)) \\
 &:= 6 + (((6 \times 6/(6 + 6)) + 66) \times ((6 \times 6 \times 6 - 6) + 6/6)) \\
 &:= 7/7 + (((77/7)^{77/7-7}) - 77) \\
 &:= (((88/8) + 8) \times ((8 \times (88 + 8)) - 8/8)) - 8 \\
 &:= ((9 + 9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) - 9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14570 &:= (11 - 1) \times (1 + ((1 + 1 + 11) \times (1 + 111))) \\
 &:= (2 \times ((2 \times 2 \times 22 - 2)^2)) - 222 \\
 &:= ((3 \times 3) + 3/3) \times (((3 + 3) \times (3^{3+3})) - 3)/3 \\
 &:= 4 + (((44/4)^4) - (44 + 4^4)/4) \\
 &:= (5 \times (55 \times 55)) - 555 \\
 &:= 6/6 + (((66/6)^{6-(6+6)/6}) - (66 + 6)) \\
 &:= 7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) + ((77 - 7)/7)) \\
 &:= 8/8 + (((88/8)^{8 \times 8/(8+8)}) - ((8 \times 8) + 8)) \\
 &:= (9/9 + 9) \times ((9 \times (9 \times (9 + 9))) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14571 &:= 1 + ((11 - 1) \times (1 + ((1 + 1 + 11) \times (1 + 111)))) \\
&:= 2 + (((22/2)^{2+2}) - (2 \times ((2 + 2 + 2)^2))) \\
&:= 3 \times ((3 \times (3^3 \times (3^3 + 33))) - 3) \\
&:= ((44/4)^4) - (((4^4 + 4 + 4)/4) + 4) \\
&:= (5 \times (5^5 - 5)) - ((5 - 5/5)^5 + 5) \\
&:= (666/6) + ((6 \times (6 \times ((6 \times 66) + 6))) - (6 + 6)) \\
&:= 7 + (((77/7)^{77/7-7}) - 77) \\
&:= 8 + (((8 + 8) \times ((888 + 8) + 8)) + (88/8)) + 88 \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14572 &:= ((1 + 1 + 11) \times (11 + (1111 - 1))) - 1 \\
&:= 2 + ((2 \times ((2 \times 2 \times 22 - 2)^2)) - 222) \\
&:= ((33/3) \times (((33/3)^3) - (3 + 3))) - 3 \\
&:= ((44/4)^4) - (((4^4 + 4)/4) + 4) \\
&:= 5/5 + ((5 \times (5^5 - 5)) - ((5 - 5/5)^5 + 5)) \\
&:= (((6 + 6)/6)^6) + (6 \times ((6 \times ((6 \times 66) + 6)) + 6)) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - (((7 + 7)/7)^7) \\
&:= ((88 + 8) \times ((8 \times 8) + 88)) - (((88 + 8)/8) + 8) \\
&:= 9/9 + ((9 \times (9 \times (99 + (9 \times 9)))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14573 &:= (1 + 1 + 11) \times (11 + (1111 - 1)) \\
&:= ((22/2)^{2+2}) + (2 \times (2 - ((2 + 2 + 2)^2))) \\
&:= 3 + (((33/3)^{3/3+3}) + ((3 - ((3 + 3)^3))/3)) \\
&:= ((44/4)^4) - ((4 \times (4 \times 4)) + 4) \\
&:= (55 \times ((5 \times 55) - (5 + 5))) - ((5 + 5)/5) \\
&:= 66 + ((6 \times ((6 \times ((6 \times 66) + 6)) + 6)) - 6/6) \\
&:= 7 + (((77 \times (((7 + 7) \times (7 + 7)) - 7)) - 7/7) + 7) + 7 \\
&:= ((88/8) + 8) \times ((8 \times (88 + 8)) - 8/8) \\
&:= ((9 + 9)/9) + ((9 \times (9 \times (99 + (9 \times 9)))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14574 &:= 1 + ((1 + 1 + 11) \times (11 + (1111 - 1))) \\
&:= (2 \times (((2 \times 2 \times 22 - 2)^2) + 2)) - 222 \\
&:= 3 + (3 \times ((3 \times (3^3 \times (3^3 + 33))) - 3)) \\
&:= ((4 - 4^4)/4) + (((44/4)^4) - 4) \\
&:= (55 \times ((5 \times 55) - (5 + 5))) - 5/5 \\
&:= 66 + (6 \times ((6 \times ((6 \times 66) + 6)) + 6)) \\
&:= 7 + (((77 \times (((7 + 7) \times (7 + 7)) - 7)) + 7) + 7) \\
&:= 8/8 + (((88/8) + 8) \times ((8 \times (88 + 8)) - 8/8)) \\
&:= ((9 + 9 + 9)/9) + ((9 \times (9 \times (99 + (9 \times 9)))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14575 &:= 11 \times ((11^{1+1+1}) - ((1 + 1) \times (1 + 1 + 1))) \\
&:= ((22/2)^{2+2}) - ((2^{2+2+2}) + 2) \\
&:= (33/3) \times (((33/3)^3) - (3 + 3)) \\
&:= ((44/4)^4) - ((4^4 + 4 + 4)/4) \\
&:= 55 \times ((5 \times 55) - (5 + 5)) \\
&:= ((66/6)^{6-(6+6)/6}) - 66 \\
&:= 7 + (((77 \times (((7 + 7) \times (7 + 7)) - 7)) + 7/7) + 7) + 7 \\
&:= (888/8) + ((8 + 8) \times ((888 + 8) + 8)) \\
&:= ((9 - 99)/(9 + 9)) + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14576 &:= 1 + (11 \times ((11^{1+1+1}) - ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 \times (2 \times (2 \times (((2 \times (22 - 2))^2) + 222))) \\
&:= 3/3 + ((33/3) \times (((33/3)^3) - (3 + 3))) \\
&:= ((44/4)^4) - ((4^4 + 4)/4) \\
&:= (5 \times (5^5 - 5)) - ((5 - 5/5)^5) \\
&:= 6/6 + (((66/6)^{6-(6+6)/6}) - 66) \\
&:= (((7 + 7)/7)^7) + ((7 - 7/7) \times (7 \times 7 \times 7 + 7)) \\
&:= ((88 + 8) \times ((8 \times 8) + 88)) - (8 + 8) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9 + 9))) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14577 &:= (11^{1+1}) + ((1 + 1 + 11) \times (1 + 1111)) \\
&:= ((22/2)^{2+2}) - (2^{2+2+2}) \\
&:= (3 \times (3 \times (3^3 \times (3^3 + 33)))) - 3 \\
&:= ((44/4)^4) - (4 \times (4 \times 4)) \\
&:= 5/5 + ((5 \times (5^5 - 5)) - ((5 - 5/5)^5)) \\
&:= (666/6) + ((6 \times (6 \times ((6 \times 66) + 6))) - 6) \\
&:= ((7/7 - 7) + (7 \times 7)) \times ((7 \times 7 \times 7 - (77/7)) + 7) \\
&:= ((88/8)^{8 \times 8/(8+8)}) - (8 \times 8) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - ((9 + 9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14578 &:= (1 + 1) \times (((11 - 1) \times ((11 - 1 - 1)^{1+1+1})) - 1) \\
&:= ((22 - 2) \times ((2/2 + 2)^{2+2+2})) - 2 \\
&:= 3 + ((33/3) \times (((33/3)^3) - (3 + 3))) \\
&:= ((4 - 4^4)/4) + ((44/4)^4) \\
&:= 5 + ((55 \times ((5 \times 55) - (5 + 5))) - ((5 + 5)/5)) \\
&:= ((6 \times 6) + 6/6) \times ((6 \times 66) - ((6 + 6)/6)) \\
&:= 7 + (((77/7)^{77/7-7}) - 77) + 7 \\
&:= 8/8 + (((88/8)^{8 \times 8/(8+8)}) - (8 \times 8)) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14579 &:= ((1 + 1) \times ((11 - 1) \times ((11 - 1 - 1)^{1+1+1}))) - 1 \\
&:= 2 + (((22/2)^{2+2}) - (2^{2+2+2})) \\
&:= ((3^3 - 3/3)^3) - (3 \times (3 \times 333)) \\
&:= ((44/4)^4) + (((4 - 4^4) + 4)/4) \\
&:= 5 + ((55 \times ((5 \times 55) - (5 + 5))) - 5/5) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - ((66 + 6/6) + 6) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - (((7 + 7)/7)^7) \\
&:= ((8 + 8)/8) + (((88/8)^{8 \times 8/(8+8)}) - (8 \times 8)) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14580 &:= (1 + 1) \times ((11 - 1) \times ((11 - 1 - 1)^{1+1+1})) \\
&:= (22 - 2) \times ((2/2 + 2)^{2+2+2}) \\
&:= 3 \times (3 \times (3^3 \times (3^3 + 33))) \\
&:= ((4 - 4/4)^4) \times ((4 \times 44) + 4) \\
&:= 5 + (55 \times ((5 \times 55) - (5 + 5))) \\
&:= 6 \times (((6 \times ((6 \times 66) + 6)) + 6) + 6) + 6 \\
&:= ((7 \times 77) + 7/7) \times (((7 - 7/7) + 7) + 7) + 7 \\
&:= ((88 + 8)/8) \times ((8 \times ((8 \times 8) + 88)) - 8/8) \\
&:= 9 \times (9 \times (99 + (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14581 &:= ((1+1)^{11}) + (((1+111)^{1+1}) - 11) \\
&:= 2 + (((22/2)^{2+2}) - (2^{2+2+2})) + 2) \\
&:= 3/3 + (3 \times (3 \times (3^3 \times (3^3 + 33)))) \\
&:= 4 + (((44/4)^4) - (4 \times (4 \times 4))) \\
&:= 5 + ((5 \times (5^5 - 5)) - ((5 - 5/5)^5)) \\
&:= 6 + (((66/6)^{6-(6+6)/6}) - 66) \\
&:= 77 + (7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) \\
&:= ((88 + 8) \times ((8 \times 8) + 88)) - (88/8) \\
&:= 9/9 + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14582 &:= 1 + (((1+1)^{11}) + (((1+111)^{1+1}) - 11)) \\
&:= 2 + ((22 - 2) \times ((2/2 + 2)^{2+2+2})) \\
&:= 3 + (((3^3 - 3/3)^3) - (3 \times (3 \times 333))) \\
&:= 4 + (((4 - 4^4)/4) + ((44/4)^4)) \\
&:= 5 + (((5 \times (5^5 - 5)) - ((5 - 5/5)^5)) + 5/5) \\
&:= ((666 - 6)/6) + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= 7/7 + ((7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) + 77) \\
&:= ((8 - 88)/8) + ((88 + 8) \times ((8 \times 8) + 88)) \\
&:= ((9 + 9)/9) + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14583 &:= ((1+1+11) \times (11+1111)) - (1+1+1) \\
&:= ((22/2)^{2+2}) - (((2+2+2)^2) + 22) \\
&:= 3 + (3 \times (3 \times (3^3 \times (3^3 + 33)))) \\
&:= 4 + (((4 - 4^4) + 4)/4) + ((44/4)^4) \\
&:= (5 \times 5^5) - (((5 \times 5^5) + 5)/(5 + 5 + 5)) \\
&:= (666/6) + (6 \times (6 \times ((6 \times 66) + 6))) \\
&:= (((7 + 7)/7)^7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) \\
&:= ((88 + 8) \times ((8 \times 8) + 88)) - (8/8 + 8) \\
&:= ((9 + 9 + 9)/9) + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14584 &:= ((1+1+11) \times (11+1111)) - (1+1) \\
&:= 2 + (((22 - 2) \times ((2/2 + 2)^{2+2+2})) + 2) \\
&:= 3 + ((3 \times (3 \times (3^3 \times (3^3 + 33)))) + 3/3) \\
&:= 4 + (((4 - 4/4)^4) \times ((4 \times 44) + 4)) \\
&:= 5 + (((55 \times ((5 \times 55) - (5 + 5))) - 5/5) + 5) \\
&:= 6 + (((6 \times 6) + 6/6) \times ((6 \times 66) - ((6 + 6)/6))) \\
&:= (((7 + 7 + 7)/7)^7) + (77 \times ((77 + 77) + 7)) \\
&:= ((88 + 8) \times ((8 \times 8) + 88)) - 8 \\
&:= ((9 + 9)/9) \times (9 \times (9 \times (9 \times 9 + 9))) + ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14585 &:= ((1+1+11) \times (11+1111)) - 1 \\
&:= ((22/2)^{2+2}) + (2 \times (2 \times (2 - (2^{2+2})))) \\
&:= 33 + (((3^3 - 3)^3) - 3/3) + (3^{3+3}) \\
&:= 4 + (((44/4)^4) - (4 \times (4 \times 4))) + 4 \\
&:= 5 + ((55 \times ((5 \times 55) - (5 + 5))) + 5) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - (66 + 6/6) \\
&:= ((77/7)^{77/7-7}) - (7 \times 7 + 7) \\
&:= 8 + (((88/8)^{8 \times 8/(8+8)}) - (8 \times 8)) \\
&:= ((9 \times 9 + 9)/(9 + 9)) + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14586 &:= (1+1+11) \times (11+1111) \\
&:= 22 \times (((22 - 2/2)^2) + 222) \\
&:= 33 + (((3^3 - 3)^3) + (3^{3+3})) \\
&:= ((44/4)^4) - ((44/4) + 44) \\
&:= ((55/5)^{5-5/5}) - 55 \\
&:= 66 \times (((6 \times 6 \times 6) - 6/6) + 6) \\
&:= ((7 - 7/7) + 7) \times ((7777 + 77)/7) \\
&:= ((8 + 8)/8) + (((88 + 8) \times ((8 \times 8) + 88)) - 8) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14587 &:= 1 + ((1+1+11) \times (11+1111)) \\
&:= ((22/2)^{2+2}) - ((2 \times (22 + 2 + 2)) + 2) \\
&:= ((33/3)^{3/3+3}) - (3^3 + 3^3) \\
&:= ((4 - 44)/4) + (((44/4)^4) - 44) \\
&:= 5/5 + (((55/5)^{5-5/5}) - 55) \\
&:= 6/6 + (66 \times (((6 \times 6 \times 6) - 6/6) + 6)) \\
&:= 7 + ((7 \times 77) + 7/7) \times (((7 - 7/7) + 7) + 7) \\
&:= 88/8 + (((88 + 8) \times ((8 \times 8) + 88)) - (8 + 8)) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14588 &:= 1 + (1 + ((1+1+11) \times (11+1111))) \\
&:= 2 + (22 \times (((22 - 2/2)^2) + 222)) \\
&:= (3^3 + 3/3) \times (((3 - 3/3)^{3 \times 3}) + 3 \times 3) \\
&:= ((44/4)^4) + ((44 - 4^4)/4) \\
&:= 5 + ((5 \times 5^5) - (((5 \times 5^5) + 5)/(5 + 5 + 5))) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - (((6 + 6)/6)^6) \\
&:= 7 + ((7 \times (((7 \times (7 \times ((7 \times 7) - 7))) + 7) + 7)) + 77) \\
&:= ((88 + 8) \times ((8 \times 8) + 88)) - (8 \times 8/(8 + 8)) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14589 &:= 1 + (1 + (1 + ((1+1+11) \times (11+1111)))) \\
&:= ((22/2)^{2+2}) - (2 \times (22 + 2 + 2)) \\
&:= 3 \times ((3 \times (3^3 \times (3^3 + 33))) + 3) \\
&:= ((44/4)^4) - ((44 + 4) + 4) \\
&:= (5 \times 5^5) - (((5 - 5/5)^5) + ((55 + 5)/5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6))) + 666/6) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - (777/7) \\
&:= 8 + (((88 + 8) \times ((8 \times 8) + 88)) - 88/8) \\
&:= 9 + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14590 &:= ((1+1)^{11}) + (((1+111)^{1+1}) - (1+1)) \\
&:= (2^{22/2}) + (((222 + 2)/2)^2) - 2) \\
&:= 3 + (((33/3)^{3/3+3}) - (3^3 + 3^3)) \\
&:= 4 + (((44/4)^4) - ((44/4) + 44)) \\
&:= 5 + (((55 \times ((5 \times 55) - (5 + 5))) + 5) + 5) \\
&:= 6 + (((6 \times 6) + 6/6) \times ((6 \times 66) - ((6 + 6)/6))) + 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 7)) + (((7 + 7)/7)^7)) \\
&:= ((88 + 8) \times ((8 \times 8) + 88)) - ((8 + 8)/8) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14591 &:= ((1+1)^{11}) + (((1+111)^{1+1}) - 1) \\
&:= ((22/2)^{2+2}) - ((2 \times (22+2)) + 2) \\
&:= (33/3) + (3 \times (3 \times (3^3 \times (3^3+33)))) \\
&:= ((44/4)^4) - (((4+4)/4) + 44) + 4 \\
&:= 5 + (((55/5)^{5-5/5}) - 55) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 + 6)) - (66+6/6)) \\
&:= ((77/7)^{77/7-7}) - (7/7 + (7 \times 7)) \\
&:= ((88+8) \times ((8 \times 8) + 88)) - 8/8 \\
&:= (99/9) + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14592 &:= ((1+1)^{11}) + ((1+111)^{1+1}) \\
&:= (2^{22/2}) + (((222+2)/2)^2) \\
&:= 3 + (3 \times ((3 \times (3^3 \times (3^3+33))) + 3)) \\
&:= 4 \times (((4+4)^4) - (444+4)) \\
&:= 5 + (((55/5)^{5-5/5}) - 55) + 5/5 \\
&:= 6 + (66 \times (((6 \times 6 \times 6) - 6/6) + 6)) \\
&:= ((77/7)^{77/7-7}) - (7 \times 7) \\
&:= (88+8) \times ((8 \times 8) + 88) \\
&:= ((99+9)/9) + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14593 &:= 1 + (((1+1)^{11}) + ((1+111)^{1+1})) \\
&:= ((22/2)^{2+2}) - (2 \times (22+2)) \\
&:= 33 + (((33/3)^{3/3+3}) - (3 \times 3^3)) \\
&:= ((44/4)^4) - (44+4) \\
&:= 5 + (((5 \times 5^5) - ((5 \times 5^5) + 5)/(5+5+5))) + 5 \\
&:= 6 + ((66 \times (((6 \times 6 \times 6) - 6/6) + 6)) + 6/6) \\
&:= 7/7 + (((77/7)^{77/7-7}) - (7 \times 7)) \\
&:= 8/8 + ((88+8) \times ((8 \times 8) + 88)) \\
&:= ((99+9+9)/9) + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14594 &:= 1 + (1 + (((1+1)^{11}) + ((1+111)^{1+1}))) \\
&:= 2 + (((222+2)/2)^2) + (2^{22/2}) \\
&:= ((33/3) \times (((33/3)^3) - (3/3+3))) - 3 \\
&:= 4/4 + (((44/4)^4) - (44+4)) \\
&:= 55 + ((5 \times (5^5+5)) - (5555/5)) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 + 6)) - (((6+6)/6)^6)) \\
&:= 77 + ((7 \times (7 \times (7 \times ((7 \times 7) - 7)))) + (777/7)) \\
&:= ((8+8)/8) + ((88+8) \times ((8 \times 8) + 88)) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) + ((9 \times 9 + 9)/(9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14595 &:= 1 + (1 + (1 + (((1+1)^{11}) + ((1+111)^{1+1})))) \\
&:= ((22/2)^{2+2}) - (2 \times 22 + 2) \\
&:= ((3+3) \times ((3 \times (3^3 \times (3^3+3))) + 3)) - 3 \\
&:= ((44/4)^4) - (((4+4)/4) + 44) \\
&:= (5 \times ((55 \times 55) + 5)) - 555 \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) + 6))) + 666/6) + 6) \\
&:= 7 \times 7 + ((77 \times (((7+7) \times (7+7)) - 7)) - 7) \\
&:= 88/8 + (((88+8) \times ((8 \times 8) + 88)) - 8) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) - ((9+9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14596 &:= (11 \times ((11^{1+1+1}) - (1+1+1+1))) - 1 \\
&:= 22^2 + (2 \times ((2 \times (2 \times 22 - 2))^2)) \\
&:= (3 \times (3 - (3 \times (3+3)))) + ((33/3)^{3/3+3}) \\
&:= ((44/4)^4) - (44+4/4) \\
&:= (5 \times 5^5) - ((5-5/5)^5 + 5) \\
&:= ((66-6)/6) + (66 \times (((6 \times 6 \times 6) - 6/6) + 6)) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - (777/7) \\
&:= (8 \times 8/(8+8)) + ((88+8) \times ((8 \times 8) + 88)) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) - ((9+9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14597 &:= 11 \times ((11^{1+1+1}) - (1+1+1+1)) \\
&:= ((22/2)^{2+2}) - (2 \times 22) \\
&:= (33/3) \times (((33/3)^3) - (3/3+3)) \\
&:= ((44/4)^4) - 44 \\
&:= 5/5 + ((5 \times 5^5) - ((5-5/5)^5 + 5)) \\
&:= (66/6) + (66 \times (((6 \times 6 \times 6) - 6/6) + 6)) \\
&:= 77/7 \times (((7 \times 77) + 777) + (77/7)) \\
&:= 8 + (((88+8) \times ((8 \times 8) + 88)) - 88/8) + 8 \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) - 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14598 &:= 1 + (11 \times ((11^{1+1+1}) - (1+1+1+1))) \\
&:= 2/2 + (((22/2)^{2+2}) - (2 \times 22)) \\
&:= (3+3) \times ((3 \times (3^3 \times (3^3+3))) + 3) \\
&:= 4/4 + (((44/4)^4) - 44) \\
&:= (5 \times 5^5) + (((5+5)/5) - ((5-5/5)^5 + 5)) \\
&:= 6 + ((66 \times (((6 \times 6 \times 6) - 6/6) + 6)) + 6) \\
&:= 7 + (((77/7)^{77/7-7}) - (7/7 + (7 \times 7))) \\
&:= 8 + (((88+8) \times ((8 \times 8) + 88)) - ((8+8)/8)) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14599 &:= (1+1+11) \times (1+11+1111) \\
&:= 2 + (((22/2)^{2+2}) - (2 \times 22)) \\
&:= ((33/3)^{3/3+3}) - (3 \times 3 + 33) \\
&:= ((4+4)/4) + (((44/4)^4) - 44) \\
&:= (5 \times 5^5) - (((5-5/5)^5) + ((5+5)/5)) \\
&:= ((66/6)^{6-(6+6)/6}) - (6 \times 6 + 6) \\
&:= 7 + (((77/7)^{77/7-7}) - (7 \times 7)) \\
&:= 8 + (((88+8) \times ((8 \times 8) + 88)) - 8/8) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14600 &:= 1 + ((1+1+11) \times (1+11+1111)) \\
&:= 2 \times (2 \times ((2 \times ((2 \times 22)^2)) - 222)) \\
&:= ((33/3) + 3 \times 3) \times ((3^{3+3}) + 3/3) \\
&:= 4 + (((44/4)^4) - (44+4/4)) \\
&:= 5 \times ((55 \times (55 - ((5+5)/5))) + 5) \\
&:= ((66+6/6) \times ((6 \times 6 \times 6) + ((6+6)/6))) - 6 \\
&:= (7/7 + (7 \times 7)) \times ((7 \times ((7 \times 7) - 7)) - ((7+7)/7)) \\
&:= 8 + ((88+8) \times ((8 \times 8) + 88)) \\
&:= (99/9+9) \times ((9 \times (9 \times 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14601 &:= 1 + (1 + ((1 + 1 + 11) \times (1 + 11 + 1111))) \\
&:= (2 \times (2 - 22)) + ((22/2)^{2+2}) \\
&:= 3 + ((3 + 3) \times ((3 \times (3^3 \times (3^3 + 3))) + 3)) \\
&:= 4 + (((44/4)^4) - 44) \\
&:= (5 \times 5^5) - ((5 - 5/5)^5) \\
&:= ((6 - 6/6)^6) - (((6 + 6)/6)^{(66-6)/6}) \\
&:= 7 \times 7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) - 7/7) \\
&:= 8 + (((88 + 8) \times ((8 \times 8) + 88)) + 8/8) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14602 &:= 11 + (((1 + 1)^{11}) + (((1 + 111)^{1+1}) - 1)) \\
&:= 2 + (2 \times (2 \times ((2 \times (2 \times 22)^2) - 222))) \\
&:= ((33/3)^{3/3+3}) - ((33 + 3) + 3) \\
&:= 4 + (((44/4)^4) - 44) + 4/4 \\
&:= 5/5 + ((5 \times 5^5) - ((5 - 5/5)^5)) \\
&:= 66 + ((6 \times (6 \times ((6 \times 66) + 6))) + (((6 + 6)/6)^{(66-6)/6})) \\
&:= 7 \times (7 \times ((7 \times ((7 \times 7) - 7)) - 7)) + 77 \\
&:= 8 + (((88 + 8) \times ((8 \times 8) + 88)) + ((8 + 8)/8)) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14603 &:= 11 + (((1 + 1)^{11}) + ((1 + 111)^{1+1})) \\
&:= 2 + (((22/2)^{2+2}) + (2 \times (2 - 22))) \\
&:= 3 + (((33/3) + 3 \times 3) \times ((3^3+3) + 3/3)) \\
&:= 4 + (((44/4)^4) - 44) + ((4 + 4)/4) \\
&:= (5 \times 5^5) + (((5 + 5)/5) - ((5 - 5/5)^5)) \\
&:= (((6 \times 6) + 6/6) \times ((6 \times 66) - 6/6)) - (6 + 6) \\
&:= 7/7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) + (7 \times 7)) \\
&:= 88/8 + ((88 + 8) \times ((8 \times 8) + 88)) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) + (((99 + 99) + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14604 &:= (1 + 11) \times ((11 \times 111) - (1 + 1 + 1 + 1)) \\
&:= 2 \times (2 \times ((2 \times (2 \times 22)^2) - 222)) + 2 \\
&:= (3 \times (3 \times ((3^3 \times (3^3 + 33)) + 3))) - 3 \\
&:= (4 \times (((4 + 4)^4) - 444)) - 4 \\
&:= 5 + ((5 \times 5^5) - (((5 - 5/5)^5) + ((5 + 5)/5))) \\
&:= 6 \times (((6 \times (6 \times 66)) - 6) + (((6 + 6)/6)^6)) \\
&:= 7 \times 7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) + (7 + 7)/7) \\
&:= ((88 + 8)/8) + ((88 + 8) \times ((8 \times 8) + 88)) \\
&:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9))) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14605 &:= (11^{1+1+1+1}) - ((1 + 1 + 1) \times (1 + 11)) \\
&:= ((22/2)^{2+2}) - ((2 + 2 + 2)^2) \\
&:= ((33/3)^{3/3+3}) - (33 + 3) \\
&:= 4 + (((44/4)^4) - 44) + 4 \\
&:= 5 \times (((55 - 5/5)^{(5+5)/5}) + 5) \\
&:= ((66/6)^{6-(6+6)/6}) - (6 \times 6) \\
&:= 7 + (((77/7)^{77/7-7}) - (7/7 + (7 \times 7))) + 7 \\
&:= ((88 + 8 + 8)/8) + ((88 + 8) \times ((8 \times 8) + 88)) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) - ((9 + 9)/9)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14606 &:= (111 - (1 + 1)) \times (1 + (1 + (11 \times (1 + 11)))) \\
&:= (22 \times (((2/2 + 2) \times 222) - 2)) - 2 \\
&:= 3/3 + (((33/3)^{3/3+3}) - (33 + 3)) \\
&:= 4 + (((44/4)^4) - 44) + 4/4 + 4 \\
&:= 5 + ((5 \times 5^5) - ((5 - 5/5)^5)) \\
&:= (66 + 6/6) \times ((6 \times 6 \times 6) + ((6 + 6)/6)) \\
&:= 7 + (((77/7)^{77/7-7}) - (7 \times 7)) + 7 \\
&:= 8 + (((88 + 8) \times ((8 \times 8) + 88)) - ((8 + 8)/8)) + 8 \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) - 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14607 &:= (11 \times ((11^{1+1+1}) - (1 + 1 + 1))) - 1 \\
&:= 2 + (((22/2)^{2+2}) - ((2 + 2 + 2)^2)) \\
&:= 3 \times (3 \times ((3^3 \times (3^3 + 33)) + 3)) \\
&:= (4 \times (((4 + 4)^4) - 444)) - 4/4 \\
&:= 5 + (((5 \times 5^5) - ((5 - 5/5)^5)) + 5/5) \\
&:= 6 + (((6 - 6/6)^6) - (((6 + 6)/6)^{(66-6)/6})) \\
&:= 7 + ((7/7 + (7 \times 7)) \times ((7 \times ((7 \times 7) - 7)) - ((7 + 7)/7))) \\
&:= 8 + (((88 + 8) \times ((8 \times 8) + 88)) - 8/8) + 8 \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14608 &:= 11 \times ((11^{1+1+1}) - (1 + 1 + 1)) \\
&:= 22 \times (((2/2 + 2) \times 222) - 2) \\
&:= (33/3) \times (((33/3)^3) - 3) \\
&:= 4 \times (((4 + 4)^4) - 444) \\
&:= 5 + (((5 + 5)/5) - ((5 - 5/5)^5)) + (5 \times 5^5) \\
&:= ((66 + 66)/6) \times (666 - ((6 + 6)/6)) \\
&:= 7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) - 7/7) + (7 \times 7) \\
&:= 8 + (((88 + 8) \times ((8 \times 8) + 88)) + 8) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) + 9/9) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14609 &:= 1 + (11 \times ((11^{1+1+1}) - (1 + 1 + 1))) \\
&:= ((22/2)^{2+2}) - (2 \times (2^{2+2})) \\
&:= 3/3 + ((33/3) \times (((33/3)^3) - 3)) \\
&:= ((44/4)^4) - (4 \times (4 + 4)) \\
&:= (((55/5)^{5-5/5}) - (((5 + 5)/5)^5)) \\
&:= (((6 \times 6) + 6/6) \times ((6 \times 66) - 6/6)) - 6 \\
&:= 7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) + (7 \times 7)) \\
&:= 8 + (((88 + 8) \times ((8 \times 8) + 88)) + 8/8) + 8 \\
&:= 9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14610 &:= 1 + (1 + (11 \times ((11^{1+1+1}) - (1 + 1 + 1)))) \\
&:= 2 + (22 \times (((2/2 + 2) \times 222) - 2)) \\
&:= 3 + (3 \times (3 \times ((3^3 \times (3^3 + 33)) + 3))) \\
&:= 4/4 + (((44/4)^4) - 4 \times (4 + 4)) \\
&:= 5 + (5 \times (((55 - 5/5)^{(5+5)/5}) + 5)) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - (6 \times 6 + 6) \\
&:= 7 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) + (7 \times 7)) + 7/7 \\
&:= 8 + (((88 + 8) \times ((8 \times 8) + 88)) + ((8 + 8)/8)) + 8 \\
&:= (9/9 + 9) \times ((9 \times (9 \times (9 \times 9))) + ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14611 &:= (11^{1+1+1+1}) - ((11-1) \times (1+1+1)) \\
&:= 2 + (((22/2)^{2+2}) - (2 \times (2^{2+2})) \\
&:= 3 + ((33/3) \times (((33/3)^3) - 3)) \\
&:= 4 + ((4 \times (((4+4)^4) - 444)) - 4/4) \\
&:= 5 + (((5 \times 5^5) - ((5-5/5)^5)) + 5) \\
&:= 6 + (((66/6)^{6-(6+6)/6}) - (6 \times 6)) \\
&:= (((77+7)/7) + 7) \times (777 - (7/7+7)) \\
&:= ((88/8) + 8) \times ((8 \times (88+8)) + 8/8) \\
&:= ((99/9+9) \times ((9 \times (9 \times 9)) + ((9+9)/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14612 &:= (1+1+11) \times (1+(1+11+1111)) \\
&:= 2 + ((22 \times (((2/2+2) \times 222) - 2)) + 2) \\
&:= 3 + (((33/3) \times (((33/3)^3) - 3)) + 3/3) \\
&:= 4 + (4 \times (((4+4)^4) - 444)) \\
&:= (55/5) + ((5 \times 5^5) - ((5-5/5)^5)) \\
&:= 6 + ((66+6/6) \times ((6 \times 6 \times 6) + ((6+6)/6))) \\
&:= ((7-7/7) + 7) \times (((7777-7)/7) + 7) + 7) \\
&:= 8 + (((88+8) \times ((8 \times 8) + 88)) + ((88+8)/8)) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) + (((99+99) + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14613 &:= 1 + ((1+1+11) \times (1+(1+11+1111))) \\
&:= (2 \times (2 - (2^{2+2}))) + ((22/2)^{2+2}) \\
&:= 33 + (3 \times (3 \times (3^3 \times (3^3 + 33)))) \\
&:= 4 + (((44/4)^4) - 4 \times (4+4)) \\
&:= (5 \times 5^5) + (((55+5)/5) - ((5-5/5)^5)) \\
&:= (666/6) + ((6 \times ((6 \times (6 \times 66) + 6)) + 6)) - 6) \\
&:= 7 \times 7 + (((77/7)^{7/7-7}) - 77) \\
&:= 8 + (((88+8) \times ((8 \times 8) + 88)) + ((88+8+8)/8)) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) + (99/((9+9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14614 &:= (11^{1+1+1+1}) - ((1+1+1)^{1+1+1}) \\
&:= ((22/2)^{2+2}) - (((22+2/2) + 2) + 2) \\
&:= ((33/3)^{3/3+3}) - 3^3 \\
&:= ((44/4)^4) - (44/4 + 4 \times 4) \\
&:= 5 + (((55/5)^{5-5/5}) - (((5+5)/5)^5)) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - (((6+6)/6) + (6 \times 6)) \\
&:= (7 \times (7 \times ((7 \times (7 \times 7) - 7)) + 7)) - (((7+7)/7)^7) + 7) \\
&:= ((88+88)/8) + ((88+8) \times ((8 \times 8) + 88)) \\
&:= ((99/9)^{(9 \times 9 - 9)/(9+9)}) - (9+9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14615 &:= (11^{1+1+1+1}) - ((1+1) \times (1+1+11)) \\
&:= ((22/2)^{2+2}) - (22+2+2) \\
&:= 3/3 + (((33/3)^{3/3+3}) - 3^3) \\
&:= ((4-44)/4) + (((44/4)^4) - 4 \times 4) \\
&:= 55 + (((5 \times 5) + 5/5) \times (555+5)) \\
&:= ((6 \times 6) + 6/6) \times ((6 \times 66) - 6/6) \\
&:= (777/7) + (7 \times (((7 \times (7 \times (7 \times 7) - 7)) + 7) + 7)) \\
&:= ((8/8-88) \times (8 - (88+88))) - 8/8 \\
&:= ((9+9) \times ((9 \times (9 \times 9 + 9)) + ((9+9)/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14616 &:= (1+11) \times ((11 \times 111) - (1+1+1)) \\
&:= ((22/2)^{2+2}) - ((22+2/2) + 2) \\
&:= ((3^3-3)^3) + (33 \times (3^3-3)) \\
&:= 4 + ((4 \times (((4+4)^4) - 444)) + 4) \\
&:= ((55/5)^{5-5/5}) - (5 \times 5) \\
&:= 6 \times (((6 \times (6 \times 66)) - 6) + 66) \\
&:= (7-7/7) \times ((7 \times (7 \times 7 \times 7 + 7)) - (7+7)) \\
&:= (8/8-88) \times (8 - (88+88)) \\
&:= (9+9) \times ((9 \times (9 \times 9 + 9)) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14617 &:= (11^{1+1+1+1}) - ((1+1) \times (1+11)) \\
&:= ((22/2)^{2+2}) - (22+2) \\
&:= 3 + (((33/3)^{3/3+3}) - 3^3) \\
&:= ((44/4)^4) - ((4 \times 4 + 4) + 4) \\
&:= 5/5 + (((55/5)^{5-5/5}) - (5 \times 5)) \\
&:= 6/6 + (6 \times (((6 \times (6 \times 66)) - 6) + 66)) \\
&:= 7/7 + ((7-7/7) \times ((7 \times (7 \times 7 \times 7 + 7)) - (7+7))) \\
&:= ((88/8)^{8 \times 8/(8+8)}) - (8+8+8) \\
&:= 9/9 + ((9+9) \times ((9 \times (9 \times 9 + 9)) + ((9+9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14618 &:= (11 \times ((11^{1+1+1}) - (1+1))) - 1 \\
&:= ((22/2)^{2+2}) - (22+2/2) \\
&:= 3 + (((33/3)^{3/3+3}) - 3^3) + 3/3) \\
&:= 4 + (((44/4)^4) - (44/4 + 4 \times 4)) \\
&:= ((5+5)/5) + (((55/5)^{5-5/5}) - (5 \times 5)) \\
&:= ((6+6)/6) + (6 \times (((6 \times (6 \times 66)) - 6) + 66)) \\
&:= 7 + (((77+7)/7) + 7) \times (777 - (7/7+7)) \\
&:= 8/8 + (((88/8)^{8 \times 8/(8+8)}) - (8+8+8)) \\
&:= 9 + (((99/9+9) \times ((9 \times (9 \times 9)) + 9/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14619 &:= 11 \times ((11^{1+1+1}) - (1+1)) \\
&:= ((22/2)^{2+2}) - 22 \\
&:= 3 + ((33 \times (3^3-3)) + ((3^3-3)^3)) \\
&:= ((44/4)^4) - (44/((4+4)/4)) \\
&:= ((5^5-5)/5) + ((5 \times (5 \times (555+5))) - 5) \\
&:= (666/6) + (6 \times ((6 \times (6 \times 66) + 6) + 6)) \\
&:= 77 + ((77 \times (((7+7) \times (7+7) - 7)) - (77/7))) \\
&:= 8 + (((88/8) + 8) \times ((8 \times (88+8)) + 8/8)) \\
&:= 9 + ((9 \times ((9 \times (99 + (9 \times 9))) - 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14620 &:= 1 + (11 \times ((11^{1+1+1}) - (1+1))) \\
&:= 2/2 + (((22/2)^{2+2}) - 22) \\
&:= 3 + (((33/3)^{3/3+3}) - 3^3) + 3) \\
&:= ((4 \times 44) - 4) \times (((4-4/4)^4) + 4) \\
&:= (5 \times (((5+5) \times (5 - (5 \times 5))) + 5^5)) - 5 \\
&:= ((6 \times 6 \times 6) - 6/6) \times (((6+6)/6) + 66) \\
&:= (7^{7-(7+7)/7}) - (((7+7+7)/7)^7) \\
&:= 8 + (((88+8) \times ((8 \times 8) + 88)) + ((88+8)/8)) + 8) \\
&:= (99/9+9) \times ((9 \times (9 \times 9)) + ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14621 &:= 1 + (1 + (11 \times ((11^{1+1+1}) - (1 + 1)))) \\
 &:= 2 + (((22/2)^{2+2}) - 22) \\
 &:= ((33/3)^{3/3+3}) - ((33/3) + 3 \times 3) \\
 &:= ((44/4)^4) - (4 \times 4 + 4) \\
 &:= 5 + (((55/5)^{5-5/5}) - (5 \times 5)) \\
 &:= 6 + (((6 \times 6) + 6/6) \times ((6 \times 66) - 6/6)) \\
 &:= (7 \times (7 \times ((7 \times (7 \times 7) - 7) + 7))) - (((7 + 7)/7)^7) \\
 &:= ((88/8)^{8 \times 8/(8+8)}) - (((88 + 8)/8) + 8) \\
 &:= 9/9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14622 &:= 1 + (1 + (1 + (11 \times ((11^{1+1+1}) - (1 + 1)))))) \\
 &:= 2 + (((22/2)^{2+2}) - 22) + 2/2) \\
 &:= 3 + (((33 \times (3^3 - 3)) + ((3^3 - 3)^3)) + 3) \\
 &:= 4/4 + (((44/4)^4) - (4 \times 4 + 4)) \\
 &:= 5 + (((55/5)^{5-5/5}) - (5 \times 5)) + 5/5) \\
 &:= 6 + (6 \times (((6 \times (6 \times 66)) - 6) + 66)) \\
 &:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - (7/7 + 77) \\
 &:= ((88/8)^{8 \times 8/(8+8)}) - ((88/8) + 8) \\
 &:= ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - ((999/9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14623 &:= (11^{1+1+1+1}) - ((1 + 1) \times (11 - 1 - 1)) \\
 &:= 2 + (((22/2)^{2+2}) - 22) + 2) \\
 &:= ((33/3)^{3/3+3}) - (3 \times (3 + 3)) \\
 &:= ((44/4)^4) - (((4 + 4)/4) + 4 \times 4) \\
 &:= ((5^5 - (5 + 5))/5) + (5 \times (5 \times (555 + 5))) \\
 &:= ((66/6)^{6-(6+6)/6}) - (6 + 6 + 6) \\
 &:= 7 \times (((7 + 7 + 7)/7)^7) - (7 \times (7 + 7)) \\
 &:= 8 + (((8/8 - 88) \times (8 - (88 + 88))) - 8/8) \\
 &:= ((99/9)^{(9 \times 9 - 9)/(9+9)}) - (9 + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14624 &:= 1 + ((11^{1+1+1+1}) - ((1 + 1) \times (11 - 1 - 1))) \\
 &:= ((22/2)^{2+2}) - ((2^{2+2}) + 2/2) \\
 &:= 3/3 + (((33/3)^{3/3+3}) - (3 \times (3 + 3))) \\
 &:= 4 \times (((4 + 4)^4) - 444) + 4) \\
 &:= ((5^5 - 5)/5) + (5 \times (5 \times (555 + 5))) \\
 &:= ((66/6)^{6-(6+6)/6}) - ((66/6) + 6) \\
 &:= 7/7 + (7 \times (((7 + 7 + 7)/7)^7) - (7 \times (7 + 7))) \\
 &:= 8 + ((8/8 - 88) \times (8 - (88 + 88))) \\
 &:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) + ((9 + 9)/9))) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14625 &:= (11^{1+1+1+1}) - ((1 + 1)^{1+1+1+1}) \\
 &:= ((22/2)^{2+2}) - (2^{2+2}) \\
 &:= 3 \times (((33 + 3) + 3) \times (((3 - 3/3) + 3)^3)) \\
 &:= ((44/4)^4) - (4 \times 4) \\
 &:= 5 \times (((5 + 5) \times (5 - (5 \times 5))) + 5^5) \\
 &:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6)) + 6)) + 666/6) \\
 &:= ((7 - 7/7) + 7) \times (((7777/7) + 7) + 7) \\
 &:= ((88/8)^{8 \times 8/(8+8)}) - (8 + 8) \\
 &:= 9 + (9 + 9) \times ((9 \times (9 \times 9 + 9)) + ((9 + 9)/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14626 &:= (11^{1+1+1+1}) - (1 + (1 + 1 + 1 + 11)) \\
 &:= 2/2 + (((22/2)^{2+2}) - (2^{2+2})) \\
 &:= 3 + (((33/3)^{3/3+3}) - (3 \times (3 + 3))) \\
 &:= 4/4 + (((44/4)^4) - 4 \times 4) \\
 &:= (5 \times (5^5 + 5)) - ((5 - 5/5)^5) \\
 &:= 6 + (((6 \times 6 \times 6) - 6/6) \times (((6 + 6)/6) + 66)) \\
 &:= ((77/7)^{77/7-7}) - ((7/7 + 7) + 7) \\
 &:= 8/8 + (((88/8)^{8 \times 8/(8+8)}) - (8 + 8)) \\
 &:= (99 \times ((9 \times (9 + 9)) - 9)) - (((9 + 9)/9)^9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14627 &:= (11^{1+1+1+1}) - (1 + 1 + 1 + 11) \\
 &:= 2 + (((22/2)^{2+2}) - (2^{2+2})) \\
 &:= ((33/3)^{3/3+3}) - (33/3 + 3) \\
 &:= ((4 + 4)/4) + (((44/4)^4) - 4 \times 4) \\
 &:= 5/5 + ((5 \times (5^5 + 5)) - ((5 - 5/5)^5)) \\
 &:= 6 + (((6 \times 6) + 6/6) \times ((6 \times 66) - 6/6)) + 6) \\
 &:= ((77/7)^{77/7-7}) - (7 + 7) \\
 &:= 8 + (((88/8) + 8) \times ((8 \times (88 + 8)) + 8/8)) + 8) \\
 &:= 9 + (((99/9 + 9) \times ((9 \times (9 \times 9)) + 9/9)) + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14628 &:= (1 + 11) \times ((11 \times 111) - (1 + 1)) \\
 &:= ((22/2)^{2+2}) - ((22/2) + 2) \\
 &:= 3 + (3 \times (((33 + 3) + 3) \times (((3 - 3/3) + 3)^3))) \\
 &:= 4 + (4 \times (((4 + 4)^4) - 444) + 4) \\
 &:= ((5 \times 5) - ((5 + 5)/5)) \times ((55 + 5^5)/5) \\
 &:= 6 + ((6 \times (((6 \times (6 \times 66)) - 6) + 66)) + 6) \\
 &:= 7/7 + (((77/7)^{77/7-7}) - (7 + 7)) \\
 &:= (8 \times 88) + (((888 - 8)/8) + 8)^{(8+8)/8} \\
 &:= ((99 + 9)/9) \times ((9999/9 + 99) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14629 &:= (11^{1+1+1+1}) - 11 - 1 \\
 &:= ((22/2)^{2+2}) - (2 \times (2 + 2 + 2)) \\
 &:= ((33/3)^{3/3+3}) - (3 \times 3 + 3) \\
 &:= 4 + (((44/4)^4) - 4 \times 4) \\
 &:= ((55/5)^{5-5/5}) - ((55 + 5)/5) \\
 &:= ((66/6)^{6-(6+6)/6}) - (6 + 6) \\
 &:= 77 + ((77 \times (((7 + 7) \times (7 + 7)) - 7)) - 7/7) \\
 &:= ((88/8)^{8 \times 8/(8+8)}) - ((88 + 8)/8) \\
 &:= 9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14630 &:= 11 \times ((11^{1+1+1}) - 1) \\
 &:= ((22/2)^{2+2}) - (22/2) \\
 &:= (33/3) \times (((33/3)^3) - 3/3) \\
 &:= ((44/4)^4) - (44/4) \\
 &:= 5 + (5 \times (((5 + 5) \times (5 - (5 \times 5))) + 5^5)) \\
 &:= ((66 + 66)/6) \times (666 - 6/6) \\
 &:= 77 + (77 \times (((7 + 7) \times (7 + 7)) - 7)) \\
 &:= ((88/8)^{8 \times 8/(8+8)}) - (88/8) \\
 &:= ((99/9)^{(9 \times 9 - 9)/(9+9)}) - (99/9)
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14631 &:= 1 + (11 \times ((11^{1+1+1}) - 1)) \\
&:= ((2 - 22)/2) + ((22/2)^{2+2}) \\
&:= 3 \times (((33/3 + 3) + 3)^3) - (33 + 3) \\
&:= ((4 - 44)/4) + ((44/4)^4) \\
&:= ((55/5)^{5-5/5}) - (5 + 5) \\
&:= ((6 - 66)/6) + ((66/6)^{6-(6+6)/6}) \\
&:= 7/7 + (((77 \times ((7 + 7) \times (7 + 7)) - 7)) + 77) \\
&:= ((8 - 88)/8) + (((88/8)^{8 \times 8/(8+8)}) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14632 &:= 1 + (1 + (11 \times ((11^{1+1+1}) - 1))) \\
&:= 2 + (((22/2)^{2+2}) - (22/2)) \\
&:= (((33/3)^{3/3+3}) - (3 \times 3)) \\
&:= ((44/4)^4) - ((4/4 + 4) + 4) \\
&:= 5/5 + (((55/5)^{5-5/5}) - (5 + 5)) \\
&:= 6 + (((6 \times 6 \times 6) - 6/6) \times (((6 + 6)/6) + 66)) + 6) \\
&:= ((77/7)^{77/7-7}) - ((7 + 7)/7 + 7) \\
&:= (8 \times 8 \times 8) + (((8 + 8) \times 888) - 88) \\
&:= ((99/9)^{(9 \times 9 - 9)/(9+9)}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14633 &:= 1 + (1 + (1 + (11 \times ((11^{1+1+1}) - 1)))) \\
&:= ((22/2)^{2+2}) - (2 \times (2 + 2)) \\
&:= 3 + ((33/3) \times (((33/3)^3) - 3/3)) \\
&:= ((44/4)^4) - (4 + 4) \\
&:= 5 + (((5 \times 5) - ((5 + 5)/5)) \times ((55 + 5^5)/5)) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - ((6/6 + 6 + 6) + 6) \\
&:= ((77/7)^{77/7-7}) - (7/7 + 7) \\
&:= ((88/8)^{8 \times 8/(8+8)}) - 8 \\
&:= 9/9 + (((99/9)^{(9 \times 9 - 9)/(9+9)}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14634 &:= 1 + (1 + (1 + (1 + (11 \times ((11^{1+1+1}) - 1)))) \\
&:= 2 + (((22/2)^{2+2}) - (22/2)) + 2) \\
&:= 3 \times ((3 + 3) \times ((3^3 \times (3^3 + 3)) + 3)) \\
&:= 4 + (((44/4)^4) - 44/4) \\
&:= (55 - 5/5) \times ((5 \times 55 - 5) + 5/5) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - (6 + 6 + 6) \\
&:= ((77/7)^{77/7-7}) - 7 \\
&:= 8/8 + (((88/8)^{8 \times 8/(8+8)}) - 8) \\
&:= (9 + 9) \times ((9 \times (9 \times 9 + 9)) + ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14635 &:= (11^{1+1+1+1}) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= ((22/2)^{2+2}) - (2 + 2 + 2) \\
&:= ((33/3)^{3/3+3}) - (3 + 3) \\
&:= ((44/4)^4) - (((4 + 4)/4) + 4) \\
&:= ((55/5)^{5-5/5}) - (5/5 + 5) \\
&:= ((66/6)^{6-(6+6)/6}) - 6 \\
&:= 7/7 + (((77/7)^{77/7-7}) - 7) \\
&:= ((8 + 8)/8) + (((88/8)^{8 \times 8/(8+8)}) - 8) \\
&:= (99 \times ((9 \times (9 + 9)) - 9)) - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14636 &:= (11^{1+1+1+1}) - (1 + 1 + 1 + 1 + 1) \\
&:= ((22/2)^{2+2}) - (2/2 + 2 + 2) \\
&:= 3/3 + (((33/3)^{3/3+3}) - (3 + 3)) \\
&:= ((44/4)^4) - (4/4 + 4) \\
&:= ((55/5)^{5-5/5}) - 5 \\
&:= 6/6 + (((66/6)^{6-(6+6)/6}) - 6) \\
&:= ((7 + 7)/7) + (((77/7)^{77/7-7}) - 7) \\
&:= 88/8 + (((88/8)^{8 \times 8/(8+8)}) - (8 + 8)) \\
&:= 9/9 + ((99 \times ((9 \times (9 + 9)) - 9)) - (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14637 &:= (11^{1+1+1+1}) - (1 + 1 + 1 + 1) \\
&:= ((22/2)^{2+2}) - (2 + 2) \\
&:= (((33/3)^{3/3+3}) - (3/3 + 3)) \\
&:= ((44/4)^4) - 4 \\
&:= 5/5 + (((55/5)^{5-5/5}) - 5) \\
&:= ((6 + 6)/6) + (((66/6)^{6-(6+6)/6}) - 6) \\
&:= 7 + ((77 \times ((7 + 7) \times (7 + 7)) - 7)) + 77) \\
&:= ((88/8)^{8 \times 8/(8+8)}) - (8 \times 8/(8 + 8)) \\
&:= ((9 - 9/9) + 9) \times ((9 \times (99 + 9)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14638 &:= (11^{1+1+1+1}) - (1 + 1 + 1) \\
&:= ((22/2)^{2+2}) - (2/2 + 2) \\
&:= ((33/3)^{3/3+3}) - 3 \\
&:= 4/4 + (((44/4)^4) - 4) \\
&:= ((5 + 5)/5) + (((55/5)^{5-5/5}) - 5) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - (((6 + 6)/6 + 6) + 6) \\
&:= ((77/7)^{77/7-7}) - ((7 + 7 + 7)/7) \\
&:= 8 + (((88/8)^{8 \times 8/(8+8)}) - 88/8) \\
&:= 9 + (((99/9 + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14639 &:= (11^{1+1+1+1}) - (1 + 1) \\
&:= ((22/2)^{2+2}) - 2 \\
&:= 3/3 + (((33/3)^{3/3+3}) - 3) \\
&:= ((44/4)^4) - ((4 + 4)/4) \\
&:= ((55/5)^{5-5/5}) - ((5 + 5)/5) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - (6/6 + 6 + 6) \\
&:= ((77/7)^{77/7-7}) - ((7 + 7)/7) \\
&:= ((88/8)^{8 \times 8/(8+8)}) - ((8 + 8)/8) \\
&:= ((99/9)^{(9 \times 9 - 9)/(9+9)}) - ((9 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14640 &:= (11^{1+1+1+1}) - 1 \\
&:= ((22/2)^{2+2}) - 2/2 \\
&:= ((33/3)^{3/3+3}) - 3/3 \\
&:= ((44/4)^4) - 4/4 \\
&:= ((55/5)^{5-5/5}) - 5/5 \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - (6 + 6) \\
&:= ((77/7)^{77/7-7}) - 7/7 \\
&:= ((8 - 8/8) + 8) \times (888 + 88) \\
&:= ((99/9)^{(9 \times 9 - 9)/(9+9)}) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14641 &:= 11^{1+1+1+1} \\
&:= (22/2)^{2+2} \\
&:= (33/3)^{3/3+3} \\
&:= (44/4)^4 \\
&:= (55/5)^{5-5/5} \\
&:= (66/6)^{6-(6+6)/6} \\
&:= (77/7)^{77/7-7} \\
&:= (88/8)^{8 \times 8 / (8+8)} \\
&:= (99/9)^{(9 \times 9 - 9) / (9+9)}
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14642 &:= 1 + (11^{1+1+1+1}) \\
&:= 2/2 + ((22/2)^{2+2}) \\
&:= 3/3 + ((33/3)^{3/3+3}) \\
&:= 4/4 + ((44/4)^4) \\
&:= 5/5 + ((55/5)^{5-5/5}) \\
&:= 6/6 + ((66/6)^{6-(6+6)/6}) \\
&:= 7/7 + ((77/7)^{77/7-7}) \\
&:= 8/8 + ((88/8)^{8 \times 8 / (8+8)}) \\
&:= 9/9 + ((99/9)^{(9 \times 9 - 9) / (9+9)})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14643 &:= 1 + (1 + (11^{1+1+1+1})) \\
&:= 2 + ((22/2)^{2+2}) \\
&:= 3 + (((33/3)^{3/3+3}) - 3/3) \\
&:= ((4+4)/4) + ((44/4)^4) \\
&:= ((5+5)/5) + ((55/5)^{5-5/5}) \\
&:= ((6+6)/6) + ((66/6)^{6-(6+6)/6}) \\
&:= ((7+7)/7) + ((77/7)^{77/7-7}) \\
&:= ((8+8)/8) + ((88/8)^{8 \times 8 / (8+8)}) \\
&:= (9 \times ((9 \times (9+9) + 9)) - 9) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14644 &:= 1 + (1 + (1 + (11^{1+1+1+1}))) \\
&:= 2 + (((22/2)^{2+2}) + 2/2) \\
&:= 3 + ((33/3)^{3/3+3}) \\
&:= 4 + (((44/4)^4) - 4/4) \\
&:= 5 + (((55/5)^{5-5/5}) - ((5+5)/5)) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - ((6+6)/6 + 6) \\
&:= (7 \times (7 \times 77)) + (((7+7) \times 777) - 7) \\
&:= 88/8 + (((88/8)^{8 \times 8 / (8+8)}) - 8) \\
&:= 9 + ((99 \times ((9 \times (9+9)) - 9)) - (((9+9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14645 &:= 1 + (1 + (1 + (1 + (11^{1+1+1+1})))) \\
&:= 2 + (((22/2)^{2+2}) + 2) \\
&:= 3 + (((33/3)^{3/3+3}) + 3/3) \\
&:= 4 + ((44/4)^4) \\
&:= 5 + (((55/5)^{5-5/5}) - 5/5) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - (6/6 + 6) \\
&:= (77/7) + (((77/7)^{77/7-7}) - 7) \\
&:= (8 \times 8 / (8+8)) + ((88/8)^{8 \times 8 / (8+8)}) \\
&:= ((9+9)/9) + ((9 \times ((9 \times (9+9)) + 9)) - (9+9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14646 &:= 1 + (1 + (1 + (1 + (1 + (11^{1+1+1+1})))))) \\
&:= 2 + (((((22/2)^{2+2}) + 2/2) + 2) \\
&:= 3 + (((((33/3)^{3/3+3}) - 3/3) + 3) \\
&:= 4 + (((((44/4)^4) + 4/4) \\
&:= 5 + (((55/5)^{5-5/5}) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - 6 \\
&:= 7 + (((77/7)^{77/7-7}) - ((7+7)/7)) \\
&:= 8 + (((((88/8)^{8 \times 8 / (8+8)}) - 88/8) + 8) \\
&:= 9 + (((9-9/9) + 9) \times ((9 \times (9+9)) - (999/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14647 &:= ((1+1) \times (1+1+1)) + (11^{1+1+1+1}) \\
&:= 2 + (((22/2)^{2+2}) + 2) + 2) \\
&:= 3 + (((33/3)^{3/3+3}) + 3) \\
&:= 4 + (((44/4)^4) + ((4+4)/4)) \\
&:= 5 + (((55/5)^{5-5/5}) + 5/5) \\
&:= 6 + ((66/6)^{6-(6+6)/6}) \\
&:= 7 + (((77/7)^{77/7-7}) - 7/7) \\
&:= 8 + (((88/8)^{8 \times 8 / (8+8)}) - ((8+8)/8)) \\
&:= (99 - ((9+9)/9)) \times ((9 \times (9+9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14648 &:= 1 + (((1+1) \times (1+1+1)) + (11^{1+1+1+1})) \\
&:= 2 + (((((22/2)^{2+2}) + 2/2) + 2) + 2) \\
&:= 3 + (((((33/3)^{3/3+3}) + 3/3) + 3) \\
&:= 4 + (((((44/4)^4) - 4/4) + 4) \\
&:= 5 + (((55/5)^{5-5/5}) + ((5+5)/5)) \\
&:= 6 + (((66/6)^{6-(6+6)/6}) + 6/6) \\
&:= 7 + ((77/7)^{77/7-7}) \\
&:= 8 + (((8-8/8) + 8) \times (888 + 88)) \\
&:= 9 + (((99/9)^{(9 \times 9 - 9) / (9+9)}) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14649 &:= 11 + ((11^{1+1+1+1}) - (1+1+1)) \\
&:= (2 \times (2+2)) + ((22/2)^{2+2}) \\
&:= (333 \times ((33/3) + 33)) - 3 \\
&:= 4 + (((44/4)^4) + 4) \\
&:= 5 + (((55/5)^{5-5/5}) - ((5+5)/5) + 5) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - (6 \times 6 / (6+6)) \\
&:= 7 + (((77/7)^{77/7-7}) + 7/7) \\
&:= 8 + ((88/8)^{8 \times 8 / (8+8)}) \\
&:= 9 + (((99/9)^{(9 \times 9 - 9) / (9+9)}) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14650 &:= 11 + ((11^{1+1+1+1}) - (1+1)) \\
&:= (22/2) + (((22/2)^{2+2}) - 2) \\
&:= 3 \times 3 + ((33/3)^{3/3+3}) \\
&:= 4 + (((44/4)^4) + 4/4) + 4) \\
&:= 5 \times (((5+5) \times (5 - (5 \times 5))) + 5^5) + 5) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) - ((6+6)/6) \\
&:= (7/7 + (7 \times 7)) \times ((7 \times ((7 \times 7) - 7)) - 7/7) \\
&:= 8 + (((88/8)^{8 \times 8 / (8+8)}) + 8/8) \\
&:= 9 + ((99/9)^{(9 \times 9 - 9) / (9+9)})
\end{aligned}$$

- **14651** := $11 + ((11^{1+1+1+1}) - 1)$
:= $2 + (((22/2)^{2+2}) + (2 \times (2 + 2)))$
:= $3 \times 3 + (((33/3)^{3/3+3}) + 3/3)$
:= $((44/4)^4) + ((44 - 4)/4)$
:= $5 + (((55/5)^{5-5/5}) + 5)$
:= $(66 \times (6 \times 6 \times 6 + 6)) - 6/6$
:= $7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) - (7 + 7))$
:= $8 + (((88/8)^{8 \times 8/(8+8)}) + ((8 + 8)/8))$
:= $((9/9 + (9 \times 9)) + 9) \times ((9 \times (9 + 9)) - 9/9)$
- **14652** := $11 + (11^{1+1+1+1})$
:= $22 \times ((2/2 + 2) \times 222)$
:= $333 \times ((33/3) + 33)$
:= $(44/4) + ((44/4)^4)$
:= $(55/5) + ((55/5)^{5-5/5})$
:= $66 \times (6 \times 6 \times 6 + 6)$
:= $(77/7) + ((77/7)^{77/7-7})$
:= $88/8 + ((88/8)^{8 \times 8/(8+8)})$
:= $(9 \times ((9 \times (99 + (9 \times 9))) + 9)) - 9$
- **14653** := $1 + (11 + (11^{1+1+1+1}))$
:= $(2 \times (2 + 2 + 2)) + ((22/2)^{2+2})$
:= $3 + (((33/3)^{3/3+3}) + 3 \times 3)$
:= $4 + (((44/4)^4) + 4) + 4$
:= $((55 + 5)/5) + ((55/5)^{5-5/5})$
:= $6/6 + (66 \times (6 \times 6 \times 6 + 6))$
:= $((77 + 7)/7) + ((77/7)^{77/7-7})$
:= $((88 + 8)/8) + ((88/8)^{8 \times 8/(8+8)})$
:= $9/9 + ((9 \times (9 \times (99 + (9 \times 9))) + 9)) - 9$
- **14654** := $1 + (1 + (11 + (11^{1+1+1+1})))$
:= $2 + (((22/2)^{2+2}) + (22/2))$
:= $3 + (((33/3)^{3/3+3}) + 3 \times 3) + 3/3$
:= $4 + (((44/4)^4) + 4/4) + 4) + 4$
:= $5^5 + ((5 \times 5^5) - ((5 - 5/5)^{5/5+5}))$
:= $((6 + 6)/6) + (66 \times (6 \times 6 \times 6 + 6))$
:= $7 + (((77/7)^{77/7-7}) - 7/7) + 7$
:= $8 \times 8 + (((88 + 8) \times ((8 \times 8) + 88)) - ((8 + 8)/8))$
:= $((9 + 9)/9) + ((9 \times (9 \times (99 + (9 \times 9))) + 9)) - 9$
- **14655** := $1 + (1 + (1 + (11 + (11^{1+1+1+1}))))$
:= $(2^{2+2}) + (((22/2)^{2+2}) - 2)$
:= $3 + (333 \times ((33/3) + 33))$
:= $4 + (((44/4)^4) + ((44 - 4)/4))$
:= $5 + (5 \times (((5 + 5) \times (5 - (5 \times 5))) + 5^5) + 5)$
:= $(6 \times 6/(6 + 6)) + (66 \times (6 \times 6 \times 6 + 6))$
:= $7 + (((77/7)^{77/7-7}) + 7)$
:= $8 \times 8 + (((88 + 8) \times ((8 \times 8) + 88)) - 8/8)$
:= $((9 + 9 + 9)/9) + ((9 \times (9 \times (99 + (9 \times 9))) + 9)) - 9$
- **14656** := $1 + (1 + (1 + (1 + (11 + (11^{1+1+1+1}))))))$
:= $2 + (((22/2)^{2+2}) + (22/2)) + 2$
:= $3 + (((33/3)^{3/3+3}) + 3 \times 3) + 3$
:= $4 + (((44/4)^4) + 44/4)$
:= $5 + (((55/5)^{5-5/5}) + 5) + 5$
:= $6 + ((66 \times (6 \times 6 \times 6 + 6)) - ((6 + 6)/6))$
:= $7 + (((77/7)^{77/7-7}) + 7/7) + 7$
:= $8 \times ((88 + 8) \times ((88/8) + 8)) + 8$
:= $9 + ((99 - ((9 + 9)/9)) \times ((9 \times (9 + 9)) - (99/9)))$
- **14657** := $(11^{1+1+1+1}) + ((1 + 1)^{1+1+1+1})$
:= $(2^{2+2}) + ((22/2)^{2+2})$
:= $3^3 + ((33/3) \times (((33/3)^3) - 3/3))$
:= $4 \times 4 + ((44/4)^4)$
:= $5 + (((55/5)^{5-5/5}) + (55/5))$
:= $6 + ((66 \times (6 \times 6 \times 6 + 6)) - 6/6)$
:= $7 + ((7/7 + (7 \times 7)) \times ((7 \times ((7 \times 7) - 7)) - 7/7))$
:= $8 + (((88/8)^{8 \times 8/(8+8)}) + 8)$
:= $((9 - (9 \times 9))/(9 + 9)) + (9 \times ((9 \times (99 + (9 \times 9))) + 9))$
- **14658** := $1 + ((11^{1+1+1+1}) + ((1 + 1)^{1+1+1+1}))$
:= $(2/2 + 2) \times ((22 \times 222) + 2)$
:= $3 \times (((33/3 + 3) + 3)^3) - 3^3$
:= $4 \times 4 + (((44/4)^4) + 4/4)$
:= $5 + (((55/5)^{5-5/5}) + ((55 + 5)/5))$
:= $6 + (66 \times (6 \times 6 \times 6 + 6))$
:= $(7 - 7/7) \times ((7 \times (7 \times 7 \times 7 + 7)) - 7)$
:= $8 + (((88/8)^{8 \times 8/(8+8)}) + 8/8) + 8$
:= $(9 \times ((9 \times (99 + (9 \times 9))) + 9)) - ((9 + 9 + 9)/9)$
- **14659** := $(11^{1+1+1+1}) + ((1 + 1) \times (11 - 1 - 1))$
:= $2 + (((22/2)^{2+2}) + (2^{2+2}))$
:= $(3 \times (3 + 3)) + ((33/3)^{3/3+3})$
:= $4 \times 4 + (((44/4)^4) + ((4 + 4)/4))$
:= $5 + (((5 \times 5^5) - ((5 - 5/5)^{5/5+5})) + 5^5)$
:= $6 + ((66 \times (6 \times 6 \times 6 + 6)) + 6/6)$
:= $7 + (((77/7)^{77/7-7}) + (77/7))$
:= $8 + (((88/8)^{8 \times 8/(8+8)}) + ((8 + 8)/8)) + 8$
:= $9 + (((99/9)^{(9 \times 9 - 9)/(9 + 9)}) + 9)$
- **14660** := $((1 + 1) \times (11 - 1)) + ((11^{1+1+1+1}) - 1)$
:= $2 + ((2/2 + 2) \times ((22 \times 222) + 2))$
:= $3/3 + (((33/3)^{3/3+3}) + (3 \times (3 + 3)))$
:= $4 + (((44/4)^4) + 44/4) + 4$
:= $5 + ((5 \times (((5 + 5) \times (5 - (5 \times 5))) + 5^5) + 5)) + 5$
:= $6 + ((66 \times (6 \times 6 \times 6 + 6)) + ((6 + 6)/6))$
:= $7 + (((77/7)^{77/7-7}) + ((77 + 7)/7))$
:= $8 + (((88/8)^{8 \times 8/(8+8)}) + (88/8))$
:= $(9 \times ((9 \times (99 + (9 \times 9))) + 9)) - 9/9$

$$\begin{aligned}
\blacktriangleright 14661 &:= ((1+1) \times (11-1)) + (11^{1+1+1+1}) \\
&:= 22 + (((22/2)^{2+2}) - 2) \\
&:= 3 \times (3 \times (((3 \times 3 + 3)^3) - (3 \times 33))) \\
&:= 4 + (((44/4)^4) + 4 \times 4) \\
&:= 5 \times 5 + (((55/5)^{5-5/5}) - 5) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 + 6)) + (6 \times 6 / (6 + 6))) \\
&:= 7 + (((((77/7)^{77/7-7}) - 7/7) + 7) + 7) \\
&:= 8 + (((88/8)^{8 \times 8 / (8+8)}) + ((88+8)/8)) \\
&:= 9 \times ((9 \times (99 + (9 \times 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14662 &:= (11 \times (1 + (1 + (11^{1+1+1})))) - 1 \\
&:= 22 + (((22/2)^{2+2}) - 2/2) \\
&:= 3 + (((33/3)^{3/3+3}) + (3 \times (3 + 3))) \\
&:= 4 + (((44/4)^4) + 4 \times 4) + 4/4 \\
&:= 5 + (((55/5)^{5-5/5}) + (55/5) + 5) \\
&:= ((66 - 6)/6) + (66 \times (6 \times 6 \times 6 + 6)) \\
&:= 7 + (((77/7)^{77/7-7}) + 7) + 7 \\
&:= 8 + (((88+8) \times ((8 \times 8) + 88)) - ((8+8)/8)) + (8 \times 8) \\
&:= 9/9 + (9 \times ((9 \times (99 + (9 \times 9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14663 &:= 11 \times (1 + (1 + (11^{1+1+1}))) \\
&:= 22 + ((22/2)^{2+2}) \\
&:= (33/3) \times (((33/3)^3) - 3/3) + 3 \\
&:= ((44/4)^4) + (44 / ((4+4)/4)) \\
&:= ((55+55)/5) + (((55/5)^{5-5/5})) \\
&:= (66/6) + (66 \times (6 \times 6 \times 6 + 6)) \\
&:= ((7/7 - 7) + (7 \times 7)) \times (7 \times 7 \times 7 - ((7+7)/7)) \\
&:= 8 + (((88+8) \times ((8 \times 8) + 88)) - 8/8) + (8 \times 8) \\
&:= ((9+9)/9) + (9 \times ((9 \times (99 + (9 \times 9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14664 &:= (1+11) \times (1 + (11 \times 111)) \\
&:= 22 + (((22/2)^{2+2}) + 2/2) \\
&:= 3 + (3 \times (3 \times (((3 \times 3 + 3)^3) - (3 \times 33)))) \\
&:= 4 + (((((44/4)^4) + 44/4) + 4) + 4) \\
&:= 5 \times 5 + (((55/5)^{5-5/5}) - ((5+5)/5)) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 + 6)) + 6) \\
&:= (7/7 + 77) \times ((777/7) + 77) \\
&:= 8 + (((88+8) \times ((8 \times 8) + 88)) + (8 \times 8)) \\
&:= ((9+9+9)/9) + (9 \times ((9 \times (99 + (9 \times 9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14665 &:= 1 + ((1+11) \times (1 + (11 \times 111))) \\
&:= 2 + (((22/2)^{2+2}) + 22) \\
&:= 3^3 + (((33/3)^{3/3+3}) - 3) \\
&:= 4 + (((44/4)^4) + 4 \times 4) + 4 \\
&:= 5 \times (5^5 - ((5/5 + 5) \times (((5+5)/5)^5))) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 + 6)) + 6/6) + 6) \\
&:= 7 + ((7 - 7/7) \times ((7 \times (7 \times 7 \times 7 + 7)) - 7)) \\
&:= 8 + (((88/8)^{8 \times 8 / (8+8)}) + 8) + 8 \\
&:= (((9 \times 9) - 9) / (9 + 9)) + (9 \times ((9 \times (99 + (9 \times 9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14666 &:= 1 + (1 + ((1+11) \times (1 + (11 \times 111)))) \\
&:= 2 + (((22/2)^{2+2}) + 22) + 2/2 \\
&:= 3 + (((33/3) \times (((33/3)^3) - 3/3) + 3)) \\
&:= 4 + (((44/4)^4) + 4 \times 4) + 4/4 + 4 \\
&:= 5 \times 5 + ((55/5)^{5-5/5}) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 + 6)) + ((6+6)/6)) + 6) \\
&:= 7 + (((77/7)^{77/7-7}) + (77/7)) + 7 \\
&:= 8 + (((88/8)^{8 \times 8 / (8+8)}) + 8/8) + 8 + 8 \\
&:= ((9 \times 9 + 9) / (9 + 9)) + (9 \times ((9 \times (99 + (9 \times 9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14667 &:= 1 + (1 + (1 + ((1+11) \times (1 + (11 \times 111)))) \\
&:= 2 + (((22/2)^{2+2}) + 22) + 2 \\
&:= 3 \times (((33/3 + 3) + 3)^3) - 3^3 + 3 \\
&:= 4 + ((44 / ((4+4)/4)) + ((44/4)^4)) \\
&:= 5 \times 5 + (((55/5)^{5-5/5}) + 5/5) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 + 6)) + (6 \times 6 / (6 + 6))) + 6) \\
&:= (((77 + 7) / 7) + 7) \times (777 - 7/7) - 77 \\
&:= 8 \times 8 + (((88+8) \times ((8 \times 8) + 88)) + (88/8)) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9))) + 9)) - ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14668 &:= (11^{1+1+1+1}) + ((1+1+1)^{1+1+1}) \\
&:= 2 + (((22/2)^{2+2}) + 22) + 2/2 + 2 \\
&:= 3^3 + ((33/3)^{3/3+3}) \\
&:= 4 \times 4 + (((44/4)^4) + 44/4) \\
&:= 5 \times 5 + (((55/5)^{5-5/5}) + ((5+5)/5)) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 + 6)) + ((66-6)/6)) \\
&:= (7/7 - 77) \times (((7+7+7)/7) - ((7+7) \times (7+7))) \\
&:= 8 + (((88/8)^{8 \times 8 / (8+8)}) + (88/8) + 8) \\
&:= 9 + (((99/9)^{(9 \times 9 - 9) / (9+9)}) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14669 &:= 1 + ((11^{1+1+1+1}) + ((1+1+1)^{1+1+1})) \\
&:= 2 + (((22/2)^{2+2}) + 22) + 2 + 2 \\
&:= 3^3 + (((33/3)^{3/3+3}) + 3/3) \\
&:= 44 + (((44/4)^4) - 4 \times 4) \\
&:= (5 \times (5^5 - 55)) - (((5^5 + 5) / 5) + 55) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 + 6)) + (66/6)) \\
&:= 7 + (((77/7)^{77/7-7}) + 7) + 7 + 7 \\
&:= 88 + (((88+8) \times ((8 \times 8) + 88)) - 88/8) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9))) + 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14670 &:= ((1+111) \times ((11 \times (1+11)) - 1)) - (1+1) \\
&:= (2/2 + 2) \times (((22 \times 222) + 2) + 2) + 2 \\
&:= (3^3 + 3) \times ((3 \times ((3+3) \times 3^3)) + 3) \\
&:= 44 + (((44/4)^4) - 4 \times 4) + 4/4 \\
&:= (5/5 + 5) \times (5^5 - ((5^5/5) + 55)) \\
&:= 6 + ((66 \times (6 \times 6 \times 6 + 6)) + 6) + 6 \\
&:= 7 + ((7/7 - 7) + (7 \times 7)) \times (7 \times 7 \times 7 - ((7+7)/7)) \\
&:= ((8 - 8/8) + 8) \times (((88 \times 88) + 8) + 8) / 8 + 8 \\
&:= 9 + (9 \times ((9 \times (99 + (9 \times 9))) + 9))
\end{aligned}$$

- **14671** := $((1 + 111) \times ((11 \times (1 + 11)) - 1)) - 1$
:= $22 + (((22/2)^{2+2}) + (2 \times (2 + 2)))$
:= $3 + (((33/3)^{3/3+3}) + 3^3)$
:= $(4 \times (4 + 4)) + (((44/4)^4) - ((4 + 4)/4))$
:= $5 + (((55/5)^{5-5/5}) + 5 \times 5)$
:= $6 \times 6 + (((66/6)^{6-(6+6)/6}) - 6)$
:= $7 + ((7/7 + 77) \times ((777/7) + 77))$
:= $88 + (((88 + 8) \times ((8 \times 8) + 88)) - (8/8 + 8))$
:= $9 + ((9 \times ((9 \times (99 + (9 \times 9))) + 9)) + 9/9)$
- **14672** := $(1 + 111) \times ((11 \times (1 + 11)) - 1)$
:= $22 + (((22/2)^{2+2}) - 2) + (22/2)$
:= $3 + (((33/3)^{3/3+3}) + 3^3) + 3/3$
:= $4 \times (((4 + 4)^4) - 444) + 4 \times 4$
:= $5 + (((55/5)^{5-5/5}) + 5 \times 5) + 5/5$
:= $((666 + 6)/6) \times ((66 - 6/6) + 66)$
:= $(7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - 77$
:= $88 + (((88 + 8) \times ((8 \times 8) + 88)) - 8)$
:= $(99/9) + (9 \times ((9 \times (99 + (9 \times 9))) + 9))$
- **14673** := $1 + ((1 + 111) \times ((11 \times (1 + 11)) - 1))$
:= $(2 \times (2^{2+2})) + ((22/2)^{2+2})$
:= $((3 + 3)^3) + 3 \times (((3/3 + 3)^3) + 3)$
:= $(4 \times (4 + 4)) + ((44/4)^4)$
:= $((5 + 5)/5)^5 + ((55/5)^{5-5/5})$
:= $(66 + 6/6) \times ((6 \times 6/(6 + 6)) + 6 \times 6 \times 6)$
:= $7/7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - 77)$
:= $8 + (((88/8)^{8 \times 8/(8+8)}) + 8) + 8 + 8$
:= $((99 + 9)/9) + (9 \times ((9 \times (99 + (9 \times 9))) + 9))$
- **14674** := $11 \times (1 + (1 + (1 + (11^{1+1+1}))))$
:= $22 + (((22/2)^{2+2}) + (22/2))$
:= $33 + ((33/3)^{3/3+3})$
:= $44 + (((44/4)^4) - 44/4)$
:= $(5 \times (5^5 - (55 + 5 + 5))) - ((5^5 + 5)/5)$
:= $((66 + 66)/6) \times (666 + 6/6)$
:= $((7 + 7)/7) + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - 77)$
:= $((8 - 888)/8) + (88 \times ((88 - 8) + 88))$
:= $((99 + 9 + 9)/9) + (9 \times ((9 \times (99 + (9 \times 9))) + 9))$
- **14675** := $1 + (11 \times (1 + (1 + (1 + (11^{1+1+1}))))))$
:= $2 + (((22/2)^{2+2}) + (2 \times (2^{2+2})))$
:= $3/3 + (((33/3)^{3/3+3}) + 33)$
:= $44 + (((4 - 44)/4) + ((44/4)^4))$
:= $5 \times (5 \times (((5 + 5)/5)^5) + 555)$
:= $6 + (((66 \times (6 \times 6 \times 6 + 6)) + (66/6)) + 6)$
:= $((77/7 + 7) + 7) \times ((7 \times (77 + 7)) - 7/7)$
:= $8 \times 8 + (((88/8) + 8) \times ((8 \times (88 + 8)) + 8/8))$
:= $((9 + 9) \times (99 + 99)) + (99999/9)$
- **14676** := $(1 + 11) \times (1 + (1 + (11 \times 111)))$
:= $2 + (((22/2)^{2+2}) + (22/2)) + 22$
:= $3 + (((3 + 3)^3) + 3) \times (((3/3 + 3)^3) + 3)$
:= $4 + (((44/4)^4) - 4/4) + (4 \times (4 + 4))$
:= $5 + (((55/5)^{5-5/5}) + 5 \times 5) + 5$
:= $(6 \times (6 \times (((6 \times 66) + 6) + 6))) - (6 + 6)$
:= $7 \times 7 + (((77/7)^{77/7-7}) - (7 + 7))$
:= $((88 + 8)/8) \times (((8 \times ((8 \times 8) + 88)) - 8/8) + 8)$
:= $99 + ((9 \times (9 \times (99 + (9 \times 9)))) - ((9 + 9 + 9)/9))$
- **14677** := $1 + ((1 + 11) \times (1 + (1 + (11 \times 111))))$
:= $((2 + 2 + 2)^2) + ((22/2)^{2+2})$
:= $3 + (((33/3)^{3/3+3}) + 33)$
:= $4 + (((44/4)^4) + (4 \times (4 + 4)))$
:= $5 \times 5 + (((55/5)^{5-5/5}) + (55/5))$
:= $6 \times 6 + ((66/6)^{6-(6+6)/6})$
:= $((7 - 7/7) + 7) \times (((7777 + 77)/7) + 7)$
:= $((88 + 8) \times (((8 \times 8) + 88) + 8/8)) - (88/8)$
:= $99 + ((9 \times (9 \times (99 + (9 \times 9)))) - ((9 + 9)/9))$
- **14678** := $1 + (1 + ((1 + 11) \times (1 + (1 + (11 \times 111))))))$
:= $2/2 + (((22/2)^{2+2}) + ((2 + 2 + 2)^2))$
:= $3 + (((33/3)^{3/3+3}) + 33) + 3/3$
:= $4 + (((44/4)^4) + (4 \times (4 + 4))) + 4/4$
:= $5 + (((55/5)^{5-5/5}) + (((5 + 5)/5)^5))$
:= $6 \times 6 + (((66/6)^{6-(6+6)/6}) + 6/6)$
:= $(7 \times (((7 + 7)/7)^{77/7}) + (7 \times 7)) - 7/7$
:= $88 + (((88 + 8) \times ((8 \times 8) + 88)) - ((8 + 8)/8))$
:= $99 + ((9 \times (9 \times (99 + (9 \times 9)))) - 9/9)$
- **14679** := $1 + (1 + (1 + ((1 + 11) \times (1 + (1 + (11 \times 111))))))$
:= $2 + (((22/2)^{2+2}) + ((2 + 2 + 2)^2))$
:= $3 \times ((3 \times (3^3 \times (3^3 + 33))) + 33)$
:= $44 + (((44/4)^4) - (((4 + 4)/4) + 4))$
:= $5 + ((5 \times (5^5 - (55 + 5 + 5))) - ((5^5 + 5)/5))$
:= $6 + ((66 + 6/6) \times ((6 \times 6/(6 + 6)) + 6 \times 6 \times 6))$
:= $7 \times (((7 + 7)/7)^{77/7}) + (7 \times 7)$
:= $88 + (((88 + 8) \times ((8 \times 8) + 88)) - 8/8)$
:= $99 + (9 \times (9 \times (99 + (9 \times 9))))$
- **14680** := $(11 - 1) \times (((1 + 1 + 11) \times (1 + (1 + 111)))) - 1$
:= $22 + ((2/2 + 2) \times ((22 \times 222) + 2))$
:= $3 + (((33/3)^{3/3+3}) + 33) + 3$
:= $44 + (((44/4)^4) - (4/4 + 4))$
:= $5 + (5 \times (5 \times (((5 + 5)/5)^5) + 555))$
:= $6 + (((66 + 66)/6) \times (666 + 6/6))$
:= $7/7 + (7 \times (((7 + 7)/7)^{77/7}) + (7 \times 7))$
:= $88 + ((88 + 8) \times ((8 \times 8) + 88))$
:= $9/9 + ((9 \times (9 \times (99 + (9 \times 9)))) + 99)$

$$\begin{aligned}
\blacktriangleright 14681 &:= (11^{1+1+1+1}) + ((1+1) \times ((1+1) \times (11-1))) \\
&:= (2 \times (22-2)) + ((22/2)^{2+2}) \\
&:= 3 + (((33/3)^{3/3+3}) + 33) + 3/3 + 3 \\
&:= 44 + (((44/4)^4) - 4) \\
&:= 55 + ((5 \times (5^5 + 5)) - ((5-5/5)^5)) \\
&:= (6 \times (6 \times ((6 \times 66) + 6) + 6)) - (6/6 + 6) \\
&:= (((7+7)/7)^7) + (77 \times (((7+7) \times (7+7)) - 7)) \\
&:= 8/8 + (((88+8) \times ((8 \times 8) + 88)) + 88) \\
&:= 9 + ((9 \times ((9 \times (99 + (9 \times 9))) + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14682 &:= 11 + (((1+111) \times ((11 \times (1+11)) - 1)) - 1) \\
&:= 2/2 + (((22/2)^{2+2}) + (2 \times (22-2))) \\
&:= ((3^3 - 3)^3) + (33 \times (3^3 - 3/3)) \\
&:= 44 + (((44/4)^4) - 4) + 4/4 \\
&:= 5 + (((55/5)^{5-5/5}) + (55/5)) + 5 \times 5 \\
&:= (6 \times (6 \times ((6 \times 66) + 6) + 6)) - 6 \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - (77/7 + 7) \\
&:= 88 + (((88+8) \times ((8 \times 8) + 88)) + ((8+8)/8)) \\
&:= (999/9) + ((9 \times (9 \times (99 + (9 \times 9)))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14683 &:= 11 + ((1+111) \times ((11 \times (1+11)) - 1)) \\
&:= (2 \times 22) + (((22/2)^{2+2}) - 2) \\
&:= 3 \times 3 + (((33/3)^{3/3+3}) + 33) \\
&:= 44 + (((44/4)^4) - ((4+4)/4)) \\
&:= 5 + (((55/5)^{5-5/5}) + (((5+5)/5)^5)) + 5 \\
&:= 6 + (((66/6)^{6-(6+6)/6}) + (6 \times 6)) \\
&:= 7 \times 7 + (((77/7)^{7/7-7}) - 7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times (88+8)) + 8/8)) + (8 \times 8) \\
&:= ((99+99)/9) + (9 \times ((9 \times (99 + (9 \times 9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14684 &:= (11 \times (1 + (1 + (1 + (1 + (11^{1+1+1})))))) - 1 \\
&:= (2 \times 22) + (((22/2)^{2+2}) - 2/2) \\
&:= 3 \times 3 + (((33/3)^{3/3+3}) + 33) + 3/3 \\
&:= 44 + (((44/4)^4) - 4/4) \\
&:= 55 + (((55/5)^{5-5/5}) - ((55+5)/5)) \\
&:= ((6+6)/6) + ((6 \times (6 \times ((6 \times 66) + 6) + 6))) - 6 \\
&:= 7/7 + (((77/7)^{7/7-7}) - 7) + (7 \times 7) \\
&:= ((8+8) \times 888) + (((88 \times 88)/(8+8)) - 8) \\
&:= 9 + (((9+9) \times (99+99)) + (99999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14685 &:= 11 \times (1 + (1 + (1 + (1 + (11^{1+1+1})))))) \\
&:= (2 \times 22) + ((22/2)^{2+2}) \\
&:= 3 \times (((33/3 + 3) + 3)^3) - (3 \times (3 + 3)) \\
&:= 44 + ((44/4)^4) \\
&:= 5 \times ((55 - ((5 - (5 + 5)/5)^5)) + 5^5) \\
&:= (66 \times 6/(6+6)) + (66 \times (6 \times 6 \times 6 + 6)) \\
&:= ((7/7 + 7) + 7) \times (((7+7) \times (77-7)) - 7/7) \\
&:= (88/8) \times (((8-8/8) + 8) \times (8/8 + 88)) \\
&:= (((9 \times 9) - 9/9) + 9) \times (((9+9+9)/9) + (9 \times (9+9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14686 &:= 1 + (11 \times (1 + (1 + (1 + (1 + (11^{1+1+1})))))) \\
&:= 2/2 + (((22/2)^{2+2}) + 2 \times 22) \\
&:= 3 + (((33/3)^{3/3+3}) + 33) + 3 \times 3 \\
&:= 44 + (((44/4)^4) + 4/4) \\
&:= 55 + (((55/5)^{5-5/5}) - (5+5)) \\
&:= (6 \times (6 \times ((6 \times 66) + 6) + 6)) - ((6+6)/6) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - (7+7) \\
&:= ((88+8) \times (((8 \times 8) + 88) + 8/8)) - ((8+8)/8) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) - ((9+9)/9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14687 &:= 11 + ((1+11) \times (1 + (1 + (11 \times 111)))) \\
&:= 2 + (((22/2)^{2+2}) + 2 \times 22) \\
&:= ((3+3) \times ((3^3 - 3) \times (3 \times 33 + 3))) - 3/3 \\
&:= 44 + (((44/4)^4) + ((4+4)/4)) \\
&:= (5 \times 5^5) - (((5^5 + 5)/(5+5)) + (5^5/5)) \\
&:= (6 \times (6 \times ((6 \times 66) + 6) + 6)) - 6/6 \\
&:= 7/7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - (7+7) \\
&:= ((88+8) \times (((8 \times 8) + 88) + 8/8)) - 8/8 \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) - 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14688 &:= (1+11) \times (1 + (1 + (1 + (11 \times 111)))) \\
&:= 2 \times (((2 \times 2 \times 22)^2) - ((22-2)^2)) \\
&:= (3+3) \times ((3^3 - 3) \times (3 \times 33 + 3)) \\
&:= 4 + (((44/4)^4) - 4/4) + 44 \\
&:= (5 \times 5^5) + (((5-5^5)/(5+5)) - (5^5/5)) \\
&:= 6 \times (6 \times ((6 \times 66) + 6) + 6) \\
&:= (7-7/7) \times ((7 \times (7 \times 7 \times 7 + 7)) - ((7+7)/7)) \\
&:= (88+8) \times (((8 \times 8) + 88) + 8/8) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14689 &:= 1 + ((1+11) \times (1 + (1 + (1 + (11 \times 111)))))) \\
&:= (2 \times (22+2)) + ((22/2)^{2+2}) \\
&:= 3/3 + ((3+3) \times ((3^3 - 3) \times (3 \times 33 + 3))) \\
&:= 4 + (((44/4)^4) + 44) \\
&:= (5 \times (5^5 - (55+5))) - ((55+5^5)/5) \\
&:= 6/6 + (6 \times (6 \times ((6 \times 66) + 6) + 6)) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - (77/7) \\
&:= 8/8 + ((88+8) \times (((8 \times 8) + 88) + 8/8)) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) + 9/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14690 &:= (11-1) \times ((1+1+11) \times (1 + (1 + 111))) \\
&:= 2 + (2 \times (((2 \times 2 \times 22)^2) - ((22-2)^2))) \\
&:= (3^3 - 3/3) \times (((3 \times 3 + 3)^3) - 33/3) \\
&:= 4 + (((44/4)^4) + 44) + 4/4 \\
&:= ((5 \times 5) + 5/5) \times ((555+5) + 5) \\
&:= ((6+6)/6) + (6 \times (6 \times ((6 \times 66) + 6) + 6)) \\
&:= 7 \times 7 + ((77/7)^{7/7-7}) \\
&:= ((8+8)/8) + ((88+8) \times (((8 \times 8) + 88) + 8/8)) \\
&:= (9/9 + 9) \times ((9 \times (9 \times (9+9))) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14691 &:= 1 + ((11 - 1) \times ((1 + 1 + 11) \times (1 + (1 + 111)))) \\
&:= 2 + (((22/2)^{2+2}) + (2 \times (22 + 2))) \\
&:= 3 + ((3 + 3) \times ((3^3 - 3) \times (3 \times 33 + 3))) \\
&:= 4 + (((44/4)^4) + ((4 + 4)/4) + 44) \\
&:= 55 + (((55/5)^{5-5/5}) - 5) \\
&:= (6 \times 6 / (6 + 6)) + (6 \times (6 \times (((6 \times 66) + 6) + 6))) \\
&:= 7/7 + (((77/7)^{77/7-7}) + (7 \times 7)) \\
&:= 88 + (((88 + 8) \times ((8 \times 8) + 88)) + (88/8)) \\
&:= (999/9) + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14692 &:= 1 + (1 + ((11 - 1) \times ((1 + 1 + 11) \times (1 + (1 + 111)))) \\
&:= 22^2 + (222 \times (2^{2+2+2})) \\
&:= 3^3 + (((33/3)^{3/3+3}) - 3) + 3^3 \\
&:= 4 + (((44/4)^4) - 4/4 + 44) + 4 \\
&:= 55 + (((55/5)^{5-5/5}) - 5) + 5/5 \\
&:= 6 + ((6 \times (6 \times (((6 \times 66) + 6) + 6))) - ((6 + 6)/6)) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - (7/7 + 7) \\
&:= ((8 + 8) \times 888) + ((88 \times 88)/(8 + 8)) \\
&:= ((999 + 9)/9) + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14693 &:= (11^{1+1+1+1}) + ((1 + 1) \times ((1 + 1) \times (1 + 1 + 11))) \\
&:= ((22/2)^{2+2}) + (2 \times (22 + 2 + 2)) \\
&:= (((33/3) + 33) \times (333 + 3/3)) - 3 \\
&:= 4 + (((44/4)^4) + 44) + 4 \\
&:= 5 + (((5 - 5^5)/(5 + 5)) - (5^5/5)) + (5 \times 5^5) \\
&:= 6 + ((6 \times (6 \times (((6 \times 66) + 6) + 6))) - 6/6) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - 7 \\
&:= 8 + ((88/8) \times (((8 - 8/8) + 8) \times (8/8 + 88))) \\
&:= (((999 + 9) + 9)/9) + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14694 &:= 11 + (11 + ((1 + 111) \times ((11 \times (1 + 11)) - 1))) \\
&:= (22 \times ((2/2 + 2) \times 222) + 2) - 2 \\
&:= (((3 + 3)^3) - 3) \times ((33 + 33) + 3) - 3 \\
&:= ((44/4)^4) + ((4^4 - 44)/4) \\
&:= 55 + (((55/5)^{5-5/5}) - ((5 + 5)/5)) \\
&:= 6 + (6 \times (6 \times (((6 \times 66) + 6) + 6))) \\
&:= 7/7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - 7 \\
&:= 8 \times 8 + (((88/8)^{8 \times 8/(8+8)}) - 88/8) \\
&:= 9 + (((9 \times 9) - 9/9) + 9) \times (((9 + 9 + 9)/9) + (9 \times (9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14695 &:= ((111 - 1)/(1 + 1)) + ((11^{1+1+1+1}) - 1) \\
&:= 2 + (((22/2)^{2+2}) + (2 \times (22 + 2 + 2))) \\
&:= 3^3 + (((33/3)^{3/3+3}) + 3^3) \\
&:= 44 + (((44/4)^4) + ((44 - 4)/4)) \\
&:= ((55 + 5) \times ((5 \times 5 \times (5 + 5)) - 5)) - 5 \\
&:= 6 + ((6 \times (6 \times (((6 \times 66) + 6) + 6))) + 6/6) \\
&:= ((7 + 7)/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - 7 \\
&:= (8 \times (8 \times ((8 \times 8) - 8))) + (88888/8) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) - ((9 + 9)/9)) + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14696 &:= 11 \times (1 + (1 + (1 + (1 + (1 + (11^{1+1+1})))))) \\
&:= 22 \times (((2/2 + 2) \times 222) + 2) \\
&:= ((33/3) + 33) \times (333 + 3/3) \\
&:= 44 + (((44/4)^4) + 44/4) \\
&:= 55 + (((55/5)^{5-5/5}) \\
&:= 6 + ((6 \times (6 \times (((6 \times 66) + 6) + 6))) + ((6 + 6)/6)) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - (77/7) \\
&:= 88 \times (((888/8) - 8) + (8 \times 8)) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) - 9/9) + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14697 &:= ((1 + 111)/(1 + 1)) + (11^{1+1+1+1}) \\
&:= 2/2 + (22 \times (((2/2 + 2) \times 222) + 2)) \\
&:= (((3 + 3)^3) - 3) \times ((33 + 33) + 3) \\
&:= 4 + (((44/4)^4) + 44) + 4 + 4 \\
&:= 55 + (((55/5)^{5-5/5}) + 5/5) \\
&:= (6 \times (6 \times 66)) + ((666/6)^{(6+6)/6}) \\
&:= 7 + (((77/7)^{77/7-7}) + (7 \times 7)) \\
&:= 8 \times 8 + (((88/8)^{8 \times 8/(8+8)}) - 8) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14698 &:= 1 + (((1 + 111)/(1 + 1)) + (11^{1+1+1+1})) \\
&:= 2 + (22 \times (((2/2 + 2) \times 222) + 2)) \\
&:= 3 + (((33/3)^{3/3+3}) + 3^3) + 3^3 \\
&:= 4 + (((4^4 - 44)/4) + ((44/4)^4)) \\
&:= 55 + (((55/5)^{5-5/5}) + ((5 + 5)/5)) \\
&:= ((66 - 6)/6) + (6 \times (6 \times (((6 \times 66) + 6) + 6))) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - ((7 + 7)/7) \\
&:= 8/8 + (((88/8)^{8 \times 8/(8+8)}) - 8) + (8 \times 8) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) + 9/9) + 99) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14699 &:= 11 + ((1 + 11) \times (1 + (1 + (1 + (11 \times 111)))) \\
&:= 22 + (((22/2)^{2+2}) + ((2 + 2 + 2)^2)) \\
&:= 3 + (((33/3) + 33) \times (333 + 3/3)) \\
&:= ((44/4)^4) + (((4^4 - (4 + 4))/4) - 4) \\
&:= (5 \times (5^5 - (55 + 5))) - ((5^5 + 5)/5) \\
&:= (66/6) + (6 \times (6 \times (((6 \times 66) + 6) + 6))) \\
&:= (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - 7/7 \\
&:= 88 + (((88/8) + 8) \times ((8 \times (88 + 8)) + 8/8)) \\
&:= 9 + ((9/9 + 9) \times ((9 \times (9 \times (99 + 9))) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14700 &:= (1 + 11) \times (1 + (1 + (1 + (1 + (11 \times 111)))) \\
&:= (2/2 + 2) \times (((2 \times (22 + 2)) + 22)^2) \\
&:= 3 + (((3 + 3)^3) - 3) \times ((33 + 33) + 3) \\
&:= (((44/4)^4) + (((4^4 - 4)/4) - 4) \\
&:= (55 + 5) \times ((5 \times 5 \times (5 + 5)) - 5) \\
&:= 6 + ((6 \times (6 \times (((6 \times 66) + 6) + 6))) + 6) \\
&:= ((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7) \\
&:= 8 + (((88 \times 88)/(8 + 8)) + ((8 + 8) \times 888)) \\
&:= 9 + ((9 \times (9 \times (99 + (9 \times 9)))) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14701 &:= 1 + ((1 + 11) \times (1 + (1 + (1 + (1 + (11 \times 111)))))) \\
&:= (2^{2+2}) + (((22/2)^{2+2}) + 2 \times 22) \\
&:= 3^3 + (((33/3)^{3/3+3}) + 33) \\
&:= 4 \times 4 + (((44/4)^4) + 44) \\
&:= 5 + (((55/5)^{5-5/5}) + 55) \\
&:= 66 + (((66/6)^{6-(6+6)/6}) - 6) \\
&:= 7/7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) \\
&:= (8 \times 8 \times 8) + (((8 + 8) \times 888) - ((88/8) + 8)) \\
&:= 9 + (9 \times (9 \times (99 + (9 \times 9)))) + ((999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14702 &:= ((1 + 1)^{11}) + (111 \times (1 + (1 + (1 + 111)))) \\
&:= 2 + ((2/2 + 2) \times (((2 \times (22 + 2)) + 22)^2)) \\
&:= ((3/3 + 3)^3) + (((33/3)^{3/3+3}) - 3) \\
&:= ((4^4 + 4)/4) + (((44/4)^4) - 4) \\
&:= 5 + (((55/5)^{5-5/5}) + 55) + 5/5) \\
&:= 6 + (((6 \times (6 \times ((6 \times 66) + 6) + 6))) + ((6 + 6)/6) + 6) \\
&:= ((7 + 7)/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) \\
&:= ((888 - 8)/8) + ((88 + 8) \times ((8 \times 8) + 88)) \\
&:= (9 \times (9 \times (99 + (9 \times 9)))) + ((999 + 99)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14703 &:= 111 + (((1 + 1)^{11}) + ((1 + 111)^{1+1})) \\
&:= (2^{2+2+2}) + (((22/2)^{2+2}) - 2) \\
&:= 3 \times (((33/3 + 3) + 3)^3) - (3 \times 3 + 3) \\
&:= ((44/4)^4) + ((4^4 - (4 + 4))/4) \\
&:= 5 + (((55/5)^{5-5/5}) + ((5 + 5)/5) + 55) \\
&:= 6 + (((666/6)^{(6+6)/6}) + (6 \times (6 \times 66))) \\
&:= ((7 + 7 + 7)/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) \\
&:= (888/8) + ((88 + 8) \times ((8 \times 8) + 88)) \\
&:= ((9 + 9 + 9)/9) \times (((99 \times 99) + 9/9)/(9 + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14704 &:= ((1 + 1)^{11}) + ((1 + 111) \times (1 + (1 + 111))) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) - (2 \times 22)) \\
&:= ((33/3) \times (((33/3)^3) + 3) + 3) - 3 \\
&:= ((44/4)^4) + ((4^4 - 4)/4) \\
&:= 5 + ((5 \times (5^5 - (55 + 5))) - ((5^5 + 5)/5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6) + 6))) + ((66 - 6)/6) \\
&:= 7 + (((77/7)^{7/7-7}) + (7 \times 7)) + 7) \\
&:= 8 + (88 \times (((888/8) - 8) + (8 \times 8))) \\
&:= 9 \times 9 + (((99/9)^{(9 \times 9 - 9)/(9 + 9)}) - (9 + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14705 &:= (11^{1+1+1+1}) + ((1 + 1)^{(1+1) \times (1+1+1)}) \\
&:= (2^{2+2+2}) + ((22/2)^{2+2}) \\
&:= ((3/3 + 3)^3) + ((33/3)^{3/3+3}) \\
&:= (4 \times (4 \times 4)) + ((44/4)^4) \\
&:= 5 + ((55 + 5) \times ((5 \times 5 \times (5 + 5)) - 5)) \\
&:= 6 + ((6 \times (6 \times ((6 \times 66) + 6) + 6))) + (66/6) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - ((7 + 7)/7) \\
&:= 8 \times 8 + ((88/8)^{8 \times 8/(8+8)}) \\
&:= ((9 - 9/9) + 9) \times (((9 \times 99) - (9 + 9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14706 &:= (11 \times ((11^{1+1+1}) + ((1 + 1) \times (1 + 1 + 1)))) - 1 \\
&:= 2 + (2 \times (((2 \times 2 \times 22 - 2)^2) - (2 \times 22))) \\
&:= (3 \times (((33/3 + 3) + 3)^3)) - 33 \\
&:= ((4^4 + 4)/4) + ((44/4)^4) \\
&:= 5 + (((55/5)^{5-5/5}) + 55) + 5) \\
&:= 666 + (6 \times (6 \times ((6 \times 66) - 6))) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - 7/7) \\
&:= 8/8 + (((88/8)^{8 \times 8/(8+8)}) + (8 \times 8)) \\
&:= (9 + 9) \times (((9 \times (9 \times 9 + 9)) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14707 &:= 11 \times ((11^{1+1+1}) + ((1 + 1) \times (1 + 1 + 1))) \\
&:= 2 + (((22/2)^{2+2}) + (2^{2+2+2})) \\
&:= (33/3) \times (((33/3)^3) + 3) + 3) \\
&:= ((44/4)^4) + ((4^4 + 4 + 4)/4) \\
&:= (((5 + 5)/5) + 5) \times (5^5 - ((5 - 5/5)^5)) \\
&:= 66 + (((66/6)^{6-(6+6)/6}) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) \\
&:= (8 - 8/8) \times ((88 \times (8 + 8 + 8)) - 88/8) \\
&:= 9/9 + ((9 + 9) \times (((9 \times (9 \times 9 + 9)) - ((9 + 9)/9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14708 &:= 1 + (11 \times ((11^{1+1+1}) + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) - (2 \times 22)) + 2) \\
&:= 3 + (((33/3)^{3/3+3}) + ((3/3 + 3)^3)) \\
&:= 4 + (((44/4)^4) + ((4^4 - 4)/4)) \\
&:= 55 + (((55/5)^{5-5/5}) + ((55 + 5)/5)) \\
&:= 66 + (((66/6)^{6-(6+6)/6}) + 6/6) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) + 7/7) \\
&:= (8 \times 8 \times 8) + (((8 + 8) \times 888) - ((88 + 8)/8)) \\
&:= 9 + (((9/9 + 9) \times ((9 \times (9 \times (9 + 9))) + (99/9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14709 &:= 1 + (1 + (11 \times ((11^{1+1+1}) + ((1 + 1) \times (1 + 1 + 1)))) \\
&:= 2 + (((22/2)^{2+2}) + (2^{2+2+2})) + 2) \\
&:= 3 + ((3 \times (((33/3 + 3) + 3)^3)) - 33) \\
&:= 4 + (((44/4)^4) + (4 \times (4 \times 4))) \\
&:= (5 \times (5^5 - 55)) - (((55 + 5^5)/5) + 5) \\
&:= 66 + (((66/6)^{6-(6+6)/6}) + ((6 + 6)/6)) \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) + (7 + 7)/7) \\
&:= (8 \times 8 \times 8) + (((8 + 8) \times 888) - 88/8) \\
&:= 9 + (((9 \times (9 \times (99 + (9 \times 9)))) + (999/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14710 &:= 111 + ((1 + 1 + 11) \times (1 + 11 + 1111)) \\
&:= 2 + (2 \times (((2 \times 2 \times 22 - 2)^2) - (2 \times 22)) + 2)) \\
&:= 3 + ((33/3) \times (((33/3)^3) + 3) + 3) \\
&:= 4 + (((4^4 + 4)/4) + ((44/4)^4)) \\
&:= 5 + (((55 + 5) \times ((5 \times 5 \times (5 + 5)) - 5)) + 5) \\
&:= (((6 + 6)/6)^6) + ((66 \times (6 \times 6 \times 6 + 6)) - 6) \\
&:= ((77 - 7)/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) \\
&:= (8 \times 8 \times 8) + (((8 + 8) \times 888) + ((8 - 88)/8)) \\
&:= (9/9 + 9) \times (((99 + 9 + 9)/9) + (9 \times (9 \times (9 + 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14711 &:= 11 + ((1 + 11) \times (1 + (1 + (1 + (1 + (11 \times 111)))))) \\
&:= 22 + (((22/2)^{2+2}) + (2 \times (22 + 2))) \\
&:= ((3^3 - 3)^3) + ((33 \times 3^3) - (3/3 + 3)) \\
&:= 4 + (((4^4 + 4 + 4)/4) + ((44/4)^4)) \\
&:= 5 + (((((55/5)^{5-5/5}) + 55) + 5) + 5) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 + 6)) - (6/6 + 6)) \\
&:= 77 + (((77/7)^{77/7-7}) - 7) \\
&:= (8 \times 8 \times 8) + (((8 + 8) \times 888) - (8/8 + 8)) \\
&:= ((9 - 9/9) \times (9999/9 + (9 \times (9 \times 9)))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14712 &:= (1 + 11) \times (1 + (1 + (1 + (1 + (1 + (11 \times 111)))))) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) + (2 \times (2 - 22))) \\
&:= 3 \times (((33/3 + 3) + 3)^3) - 3 \times 3 \\
&:= 4 + (((44/4)^4) + ((4^4 - 4)/4) + 4) \\
&:= ((5 \times 5) - 5/5) \times ((5^5 - (55 + 5))/5) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 + 6)) - 6) \\
&:= (7 - 7/7) \times ((7 \times (7 \times 7 \times 7 + 7)) + (7 + 7)/7) \\
&:= (8 \times 8 \times 8) + (((8 + 8) \times 888) - 8) \\
&:= (9 - 9/9) \times (((9999 - 9)/9) + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14713 &:= (11^{1+1+1+1}) + (((1 + 11)^{1+1})/(1 + 1)) \\
&:= (2 \times ((2 + 2 + 2)^2)) + ((22/2)^{2+2}) \\
&:= (3 \times (3^3 - 3)) + ((33/3)^{3/3+3}) \\
&:= 4 + (((44/4)^4) + (4 \times (4 \times 4))) + 4 \\
&:= (5 \times (5^5 - 55)) - (((55 + 5^5) + 5)/5) \\
&:= 6 + (((66/6)^{6-(6+6)/6}) + 66) \\
&:= 7 + (((((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) - 7/7) + 7) \\
&:= 8 + (((88/8)^{8 \times 8/(8+8)}) + (8 \times 8)) \\
&:= 9 \times 9 + (((99/9)^{(9 \times 9 - 9)/(9+9)}) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14714 &:= 1 + ((11^{1+1+1+1}) + (((1 + 11)^{1+1})/(1 + 1))) \\
&:= 2 + (((22 + 2)^{2/2+2}) + (2 \times 2 \times 222)) \\
&:= ((3^3 - 3)^3) + ((33 \times 3^3) - 3/3) \\
&:= 4 + (((4^4 + 4)/4) + ((44/4)^4) + 4) \\
&:= (5 \times (5^5 - 55)) - ((55 + 5^5)/5) \\
&:= 6 + (((66/6)^{6-(6+6)/6}) + 66) + 6/6 \\
&:= 7 + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) + 7 \\
&:= 8 + (((88/8)^{8 \times 8/(8+8)}) + (8 \times 8)) + 8/8 \\
&:= (9 \times 99) + (((9 + 9 + 9) \times (((9 + 9)/9)^9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14715 &:= (111 - (1 + 1)) \times (1 + (1 + (1 + (11 \times (1 + 11)))))) \\
&:= 2 + ((2 \times ((2 + 2 + 2)^2)) + ((22/2)^{2+2})) \\
&:= ((3^3 - 3)^3) + (33 \times 3^3) \\
&:= ((44/4)^4) + (((4^4 - 4) + 44)/4) \\
&:= ((5 - 5/5) \times (555 + 5^5)) - 5 \\
&:= 66 + ((66 \times (6 \times 6 \times 6 + 6)) - (6 \times 6/(6 + 6))) \\
&:= 7 + (((((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) + 7/7) + 7) \\
&:= 8 + ((8 - 8/8) \times ((88 \times (8 + 8 + 8)) - 88/8)) \\
&:= (9 \times 99) + ((9 + 9 + 9) \times (((9 + 9)/9)^9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14716 &:= (1 + 1 + 11) \times (11 + (11 + (1111 - 1))) \\
&:= 2 \times (((2^{2+2}) \times (22^2 - (22 + 2))) - 2) \\
&:= 3/3 + (((3^3 - 3)^3) + (33 \times 3^3)) \\
&:= ((44/4)^4) + (44 + 4^4)/4 \\
&:= (5 - 5/5) \times ((555 - 5/5) + 5^5) \\
&:= (((6 + 6)/6)^6) + (66 \times (6 \times 6 \times 6 + 6)) \\
&:= 7 + (((((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) + ((7 + 7)/7)) + 7) \\
&:= 8 \times 8 + (((88/8)^{8 \times 8/(8+8)}) + (88/8)) \\
&:= 9/9 + (((9 + 9 + 9) \times (((9 + 9)/9)^9)) + (9 \times 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14717 &:= 1 + ((1 + 1 + 11) \times (11 + (11 + (1111 - 1)))) \\
&:= ((22/2)^{2+2}) + (2 \times (((2 + 2 + 2)^2) + 2)) \\
&:= 3 + (((3^3 - 3)^3) - 3/3) + (33 \times 3^3) \\
&:= 44 + (((44/4)^4) + (4 \times (4 + 4))) \\
&:= 5 + (((5 \times 5) - 5/5) \times ((5^5 - (55 + 5))/5)) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 + 6)) - 6/6) \\
&:= 77 + (((77/7)^{77/7-7}) - 7/7) \\
&:= 8 + (((8 + 8) \times 888) - 88/8) + (8 \times 8 \times 8) \\
&:= ((99 - 9/9) \times ((9 \times (9 + 9)) - (99/9))) - (9 \times 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14718 &:= (1 + 1) \times (11 \times ((1 + 1 + 1) \times (1 + ((1 + 1) \times 111)))) \\
&:= 22 \times ((2/2 + 2) \times (222 + 2/2)) \\
&:= 3 + (((3^3 - 3)^3) + (33 \times 3^3)) \\
&:= ((44/4)^4) + (((4 - 4/4)^4) - 4) \\
&:= (5 \times (5^5 - 55)) - (((5^5 + 5 + 5)/5) + 5) \\
&:= 66 + (66 \times (6 \times 6 \times 6 + 6)) \\
&:= 77 + (((77/7)^{77/7-7}) \\
&:= (8 \times 8 \times 8) + (((8 + 8) \times 888) - ((8 + 8)/8)) \\
&:= (99/9) \times ((9 \times (9 \times (9 + 9))) - ((999/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14719 &:= 111 + (11 \times ((11^{1+1+1}) - (1 + 1 + 1))) \\
&:= ((22/2)^{2+2}) + ((2 \times (2 \times (22 - 2))) - 2) \\
&:= (3 \times 3^3) + (((33/3)^{3/3+3}) - 3) \\
&:= (4 \times ((4 + 4) \times (444 + 4 \times 4))) - 4/4 \\
&:= (5 \times (5^5 - 55)) - (((5^5 + 5)/5) + 5) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 + 6)) + 6/6) \\
&:= 7/7 + (((77/7)^{77/7-7}) + 77) \\
&:= (8 \times 8 \times 8) + (((8 + 8) \times 888) - 8/8) \\
&:= 99 + ((99/9 + 9) \times ((9 \times (9 \times 9)) + ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14720 &:= 1 + (111 + (11 \times ((11^{1+1+1}) - (1 + 1 + 1)))) \\
&:= 2 \times ((2^{2+2}) \times (22^2 - (22 + 2))) \\
&:= ((3/3 + 3)^3) \times (((3 + 3)^3) + (33/3)) + 3 \\
&:= 4 \times ((4 + 4) \times (444 + 4 \times 4)) \\
&:= (5 - 5/5) \times (555 + 5^5) \\
&:= 66 + ((66 \times (6 \times 6 \times 6 + 6)) + ((6 + 6)/6)) \\
&:= (((7 + 7)/7)^7) \times ((77 - (77/7)) + (7 \times 7)) \\
&:= (8 \times 8 \times 8) + ((8 + 8) \times 888) \\
&:= (9 - 9/9) \times (9999/9 + (9 \times (9 \times 9)))
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14721 &:= ((11 - 1 - 1)^{1+1}) + ((11^{1+1+1+1}) - 1) \\
 &:= ((22/2)^{2+2}) + (2 \times (2 \times (22 - 2))) \\
 &:= 3 \times (((33/3 + 3) + 3)^3) - (3 + 3) \\
 &:= ((44/4)^4) + (4 \times (4 \times 4 + 4)) \\
 &:= 5 \times 5 + (((55/5)^{5-5/5}) + 55) \\
 &:= 66 + ((66 \times (6 \times 6 \times 6 + 6)) + (6 \times 6/(6 + 6))) \\
 &:= 7 \times (((7 + 7 + 7)/7)^7) - (77 + 7) \\
 &:= 8/8 + (((8 + 8) \times 888) + (8 \times 8 \times 8)) \\
 &:= 9 \times 9 + (((99/9)^{(9 \times 9 - 9)/(9 + 9)}) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14722 &:= ((11 - 1 - 1)^{1+1}) + (11^{1+1+1+1}) \\
 &:= ((22/2)^{2+2}) + ((2/2 + 2)^{2+2}) \\
 &:= (3 \times 3^3) + ((33/3)^{3/3+3}) \\
 &:= ((44/4)^4) + ((4 - 4/4)^4) \\
 &:= ((5 + 5)/5) + ((5 - 5/5) \times (555 + 5^5)) \\
 &:= 6 + ((66 \times (6 \times 6 \times 6 + 6)) + (((6 + 6)/6)^6)) \\
 &:= 7/7 + (7 \times (((7 + 7 + 7)/7)^7) - (77 + 7)) \\
 &:= (8 \times 8 \times 8) + (((8 + 8) \times 888) + ((8 + 8)/8)) \\
 &:= 9 \times 9 + ((99/9)^{(9 \times 9 - 9)/(9 + 9)})
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14723 &:= 1 + (((11 - 1 - 1)^{1+1}) + (11^{1+1+1+1})) \\
 &:= 2 + (((22/2)^{2+2}) + (2 \times (2 \times (22 - 2)))) \\
 &:= 3/3 + (((33/3)^{3/3+3}) + (3 \times 3^3)) \\
 &:= 4/4 + (((44/4)^4) + ((4 - 4/4)^4)) \\
 &:= (5 \times (5^5 - 55)) - ((5^5 + 5 + 5)/5) \\
 &:= (6 \times ((6 \times ((6 \times 66) + 6) + 6)) + 6) - 6/6 \\
 &:= ((7 + 7)/7) + (7 \times (((7 + 7 + 7)/7)^7) - (77 + 7)) \\
 &:= (8 \times 8 \times 8) + (((8 + 8) \times 888) - 8) + (88/8) \\
 &:= ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - ((9/9 + 9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14724 &:= (1 + 11) \times ((11 \times 111) + ((1 + 1) \times (1 + 1 + 1))) \\
 &:= 2 + (((22/2)^{2+2}) + ((2/2 + 2)^{2+2})) \\
 &:= 3 + (3 \times (((33/3 + 3) + 3)^3) - (3 + 3)) \\
 &:= 4 + (4 \times ((4 + 4) \times (444 + 4 \times 4))) \\
 &:= (5 \times (5^5 - 55)) - ((5^5 + 5)/5) \\
 &:= 6 \times ((6 \times ((6 \times 66) + 6) + 6)) + 6 \\
 &:= 7 + (((77/7)^{7/7-7}) - 7/7) + 77 \\
 &:= (8 \times 8 \times 8) + (((8 + 8) \times 888) + (8 \times 8/(8 + 8))) \\
 &:= (9 + 9) \times (((9 \times (9 \times 9 + 9)) - 9/9) + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14725 &:= 1 + ((1 + 11) \times ((11 \times 111) + ((1 + 1) \times (1 + 1 + 1)))) \\
 &:= ((22/2)^{2+2}) + (2 \times (2 \times 22 - 2)) \\
 &:= 3 + (((33/3)^{3/3+3}) + (3 \times 3^3)) \\
 &:= 4 + (((44/4)^4) + (4 \times (4 \times 4 + 4))) \\
 &:= 5 \times (5^5 - (5 \times 5 \times 5 + 55)) \\
 &:= 6/6 + (6 \times ((6 \times ((6 \times 66) + 6) + 6)) + 6) \\
 &:= 7 + (((77/7)^{7/7-7}) + 77) \\
 &:= ((88/8) + 8) \times (((8 \times (88 + 8)) - 8/8) + 8) \\
 &:= 9/9 + ((9 + 9) \times (((9 \times (9 \times 9 + 9)) - 9/9) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14726 &:= 1 + (1 + ((1 + 11) \times ((11 \times 111) + ((1 + 1) \times (1 + 1 + 1))))) \\
 &:= (((22 - 2)^2) - 2) \times (((2 + 2 + 2)^2) + 2/2) \\
 &:= (33/3) + (((3^3 - 3)^3) + (33 \times 3^3)) \\
 &:= 4 + (((44/4)^4) + ((4 - 4/4)^4)) \\
 &:= ((5 - 5^5)/5) + (5 \times (5^5 - 55)) \\
 &:= ((6 \times 6) + 6/6) \times (((6 + 6)/6) + (6 \times 66)) \\
 &:= 7 + (((77/7)^{7/7-7}) + 77) + 7/7 \\
 &:= 8 + (((8 + 8) \times 888) - ((8 + 8)/8)) + (8 \times 8 \times 8) \\
 &:= ((9 + 9)/9) + ((9 + 9) \times (((9 \times (9 \times 9 + 9)) - 9/9) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14727 &:= 111 + ((1 + 11) \times ((11 \times 111) - (1 + 1 + 1))) \\
 &:= (2 \times 2 \times 22) + (((22/2)^{2+2}) - 2) \\
 &:= (3 \times (((33/3 + 3) + 3)^3) - 3) - 3 \\
 &:= 4 + (((44/4)^4) + ((4 - 4/4)^4)) + 4/4 \\
 &:= (5 \times (5^5 - 55)) + (((5 - 5^5) + 5)/5) \\
 &:= 6/6 + (((6 \times 6) + 6/6) \times (((6 + 6)/6) + (6 \times 66))) \\
 &:= 7 + (((7 + 7)/7)^7) \times ((77 - (77/7)) + (7 \times 7)) \\
 &:= 8 + (((8 + 8) \times 888) - 8/8) + (8 \times 8 \times 8) \\
 &:= 9 + ((99/9) \times ((9 \times (9 \times 9 + 9))) - ((999/9) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14728 &:= (11 \times (11 + ((11^{1+1+1+1}) - (1 + 1 + 1)))) - 1 \\
 &:= 2 \times ((2^{2+2} - 2) \times ((22 \times (22 + 2)) - 2)) \\
 &:= (3 \times (((33/3 + 3) + 3)^3) - (33/3)) \\
 &:= 4 + ((4 \times ((4 + 4) \times (444 + 4 \times 4))) + 4) \\
 &:= 5 + ((5 \times (5^5 - 55)) - ((5^5 + 5 + 5)/5)) \\
 &:= 6 + (((66 \times (6 \times 6 \times 6 + 6)) + (((6 + 6)/6)^6)) + 6) \\
 &:= 7 + (7 \times (((7 + 7 + 7)/7)^7) - (77 + 7)) \\
 &:= 8 + (((8 + 8) \times 888) + (8 \times 8 \times 8)) \\
 &:= (9 - 9/9) \times (((9999 + 9)/9) + (9 \times (9 \times 9)))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14729 &:= 11 \times (11 + ((11^{1+1+1+1}) - (1 + 1 + 1))) \\
 &:= (2 \times 2 \times 22) + ((22/2)^{2+2}) \\
 &:= (3 \times (((33/3 + 3) + 3)^3) - 3) - 3/3 \\
 &:= 44 + (((44/4)^4) + 44) \\
 &:= 5 + ((5 \times (5^5 - 55)) - ((5^5 + 5)/5)) \\
 &:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6) + 6)) + 6)) - 6/6 \\
 &:= 7 + ((7 \times (((7 + 7 + 7)/7)^7) - (77 + 7)) + 7/7) \\
 &:= 88 + ((88/8)^{8 \times 8/(8 + 8)}) \\
 &:= 9 + ((9 - 9/9) \times (9999/9 + (9 \times (9 \times 9))))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14730 &:= 111 + (11 \times ((11^{1+1+1+1}) - (1 + 1))) \\
 &:= 2/2 + (((22/2)^{2+2}) + (2 \times 2 \times 22)) \\
 &:= 3 \times (((33/3 + 3) + 3)^3) - 3 \\
 &:= 4 + (((44/4)^4) + ((4 - 4/4)^4)) + 4 \\
 &:= 5 + (5 \times (5^5 - (5 \times 5 \times 5 + 55))) \\
 &:= 6 + (6 \times ((6 \times ((6 \times 66) + 6) + 6)) + 6) \\
 &:= (7 - 7/7) \times (((7 \times (7 \times 7 \times 7 + 7)) - ((7 + 7)/7)) + 7) \\
 &:= 8/8 + (((88/8)^{8 \times 8/(8 + 8)}) + 88) \\
 &:= ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - ((99 + 9)/9)
 \end{aligned}$$

- **14731** := $1 + (111 + (11 \times ((11^{1+1+1}) - (1 + 1))))$
:= $2 + (((22/2)^{2+2}) + (2 \times 2 \times 22))$
:= $3/3 + (3 \times (((33/3 + 3) + 3)^3) - 3)$
:= $44 + (((44/4)^4) + ((4 + 4)/4) + 44)$
:= $5 + ((5 \times (5^5 - 55)) + ((5 - 5^5)/5))$
:= $6 + ((6 \times ((6 \times ((6 \times 66) + 6) + 6) + 6)) + 6/6)$
:= $(7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - (77/7 + 7)$
:= $(8 \times 8 \times 8) + (((8 + 8) \times 888) + (88/8))$
:= $((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - (99/9)$
- **14732** := $1 + (1 + (111 + (11 \times ((11^{1+1+1}) - (1 + 1)))))$
:= $((2^{2 \times (2+2)} - 2) \times ((2 + 2 + 2)^2) + 22)$
:= $3 + ((3 \times (((33/3 + 3) + 3)^3) - 3) - 3/3)$
:= $(4 \times (((4 + 4) \times (444 + 4 \times 4)) + 4) - 4)$
:= $5 + ((5 \times (5^5 - 55)) + (((5 - 5^5) + 5)/5))$
:= $6 + (((6 \times 6) + 6/6) \times (((6 + 6)/6) + (6 \times 66)))$
:= $7 + (((77/7)^{77/7-7} + 77) + 7)$
:= $(8 \times 8 \times 8) + (((8 + 8) \times 888) + ((88 + 8)/8))$
:= $((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - (9/9 + 9)$
- **14733** := $((1 + 1 + 1) \times 111) + (((11^{1+1}) - 1)^{1+1})$
:= $((22/2)^{2+2}) + (2 \times (2 \times 22 + 2))$
:= $3 + (3 \times (((33/3 + 3) + 3)^3) - 3)$
:= $4 + (((44/4)^4) + 44) + 44$
:= $5 + (((5 \times (5^5 - 55)) - ((5^5 + 5 + 5)/5)) + 5)$
:= $(6 \times ((6 \times 66) + 6)) + ((666/6)^{(6+6)/6})$
:= $(7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - (((7 + 7)/7 + 7) + 7)$
:= $8 + (((88/8) + 8) \times (((8 \times (88 + 8)) - 8/8) + 8))$
:= $((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - 9$
- **14734** := $1 + (((1 + 1 + 1) \times 111) + (((11^{1+1}) - 1)^{1+1}))$
:= $2 + (((2^{2 \times (2+2)} - 2) \times ((2 + 2 + 2)^2) + 22))$
:= $((3 - 3/3) + 3)^{3+3} - (33 \times 3^3)$
:= $((44/4)^4) + (((4 + 4)^4) - 4)/44$
:= $5 + (((5 \times (5^5 - 55)) - ((5^5 + 5)/5)) + 5)$
:= $((66 - 6)/6) + (6 \times ((6 \times ((6 \times 66) + 6) + 6) + 6))$
:= $(7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - ((7/7 + 7) + 7)$
:= $8 + (((8 + 8) \times 888) - ((8 + 8)/8) + (8 \times 8 \times 8) + 8)$
:= $9/9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - 9)$
- **14735** := $(1 + (((1 + 1 + 1)^{11-1} - 111)/(1 + 1)))/(1 + 1)$
:= $2 + (((22/2)^{2+2}) + (2 \times (2 \times 22 + 2)))$
:= $(3 \times (((33/3 + 3) + 3)^3) - (3/3 + 3))$
:= $(4 \times (((4 + 4)^4) - 4^4)) - ((4/4 + 4)^4)$
:= $5 + ((5 \times (5^5 - (5 \times 5 \times 5 + 55))) + 5)$
:= $(66/6) + (6 \times ((6 \times ((6 \times 66) + 6) + 6) + 6))$
:= $(7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - (7 + 7)$
:= $(8 - 8/8) \times (((88 \times (8 + 8 + 8)) - 8) + 8/8)$
:= $((9 + 9)/9) + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - 9)$
- **14736** := $(1 + 11) \times ((11 \times (1 + 111)) - (1 + 1 + 1 + 1))$
:= $2 \times (((2 \times (2 \times (22 - 2)))^2) + (2 \times 22^2))$
:= $(3 \times (((33/3 + 3) + 3)^3) - 3)$
:= $4 \times (((4 + 4) \times (444 + 4 \times 4)) + 4)$
:= $((5 \times 5) - 5/5) \times ((5^5 - 55)/5)$
:= $6 + ((6 \times ((6 \times ((6 \times 66) + 6) + 6) + 6)) + 6)$
:= $7/7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - (7 + 7))$
:= $8 + (((8 + 8) \times 888) + (8 \times 8 \times 8) + 8)$
:= $((9 + 9 + 9)/9) + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - 9)$
- **14737** := $1 + ((1 + 11) \times ((11 \times (1 + 111)) - (1 + 1 + 1 + 1)))$
:= $((22 + 2)^2) + (((22/2)^2) - 2)^2$
:= $3/3 + ((3 \times (((33/3 + 3) + 3)^3) - 3)$
:= $((44/4)^4) + (4 \times ((4 \times 4 + 4) + 4))$
:= $5/5 + (((5 \times 5) - 5/5) \times ((5^5 - 55)/5))$
:= $((6 - 6/6)^6) - ((666 + 6 \times 6 \times 6) + 6)$
:= $(7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - ((77 + 7)/7)$
:= $8 + (((88/8)^{8 \times 8/(8+8)} + 88)$
:= $((9 - 99)/(9 + 9)) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9))$
- **14738** := $(11 \times (11 + ((11^{1+1+1}) - (1 + 1)))) - (1 + 1)$
:= $22 \times (((2/2 + 2) \times 222) + 2) + 2) - 2$
:= $(3 \times (((33/3 + 3) + 3)^3) - 3/3)$
:= $4 \times 4 + (((44/4)^4) + ((4 - 4/4)^4))$
:= $(55 \times (5 \times 55 - 5)) - ((555 + 5)/5)$
:= $6 + (((6 \times 6) + 6/6) \times (((6 + 6)/6) + (6 \times 66))) + 6$
:= $(7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - (77/7)$
:= $8 + (((88/8)^{8 \times 8/(8+8)} + 88) + 8/8)$
:= $((9 + 9)/9) \times ((9 \times (9 \times 9 + 9)) + 9) - ((9 + 9)/9)$
- **14739** := $(11 \times (11 + ((11^{1+1+1}) - (1 + 1)))) - 1$
:= $2 + (((((22/2)^2) - 2)^2) + (22 + 2)^2)$
:= $3 \times (((33/3 + 3) + 3)^3)$
:= $(4 - 4/4) \times (((4 \times 4) + 4/4)^{4-4/4})$
:= $(55 \times (5 \times 55 - 5)) - (555/5)$
:= $(6 \times 6/(6 + 6)) \times (((66/6) + 6)^{6 \times 6/(6+6)})$
:= $(7 \times (7 + 7)) + ((77/7)^{77/7-7})$
:= $8 + (((8 + 8) \times 888) + (8 \times 8 \times 8) + (88/8))$
:= $((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) - ((9 + 9 + 9)/9)$
- **14740** := $11 \times (11 + ((11^{1+1+1}) - (1 + 1)))$
:= $22 \times (((2/2 + 2) \times 222) + 2) + 2)$
:= $3/3 + (3 \times (((33/3 + 3) + 3)^3))$
:= $4 + (4 \times (((4 + 4) \times (444 + 4 \times 4)) + 4))$
:= $55 \times (((5 - (5 + 5)/5)^5) + 5 \times 5)$
:= $(66 + 6/6) \times (((6 \times 6 \times 6) - ((6 + 6)/6)) + 6)$
:= $(7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - ((7 + 7)/7 + 7)$
:= $88 + (((88/8)^{8 \times 8/(8+8)} + (88/8))$
:= $99 + ((99/9)^{(9 \times 9 - 9)/(9+9)})$

$$\begin{aligned} \blacktriangleright 14741 &:= 111 + (11 \times ((11^{1+1+1}) - 1)) \\ &:= ((22/2)^{2+2}) + ((2 \times (2 + 2) + 2)^2) \\ &:= 3 + ((3 \times ((33/3 + 3) + 3)^3) - 3/3) \\ &:= 4 + ((4 \times ((4 \times 4 + 4) + 4)) + ((44/4)^4)) \\ &:= 5 + (((5 \times 5) - 5/5) \times (5^5 - 55)/5) \\ &:= 6 + ((6 \times ((6 \times ((6 \times 66) + 6) + 6)) + 6)) + (66/6) \\ &:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - (7/7 + 7) \\ &:= 8 + (((88/8) + 8) \times (((8 \times (88 + 8)) - 8/8) + 8)) + 8 \\ &:= ((9 + 9) \times (9 \times (9 \times 9 + 9)) + 9) - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14742 &:= 1 + (111 + (11 \times ((11^{1+1+1}) - 1))) \\ &:= 2 + (22 \times (((2/2 + 2) \times 222) + 2) + 2)) \\ &:= 3 + (3 \times (((33/3 + 3) + 3)^3)) \\ &:= ((44/4)^4) + (4444/44) \\ &:= (55 - 5/5) \times ((5 \times 55) - ((5 + 5)/5)) \\ &:= 666 + (6 \times ((6 \times ((6 \times 66) - 6)) + 6)) \\ &:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - 7 \\ &:= (8 - 8/8) \times (((88 \times (8 + 8 + 8)) - 8) + ((8 + 8)/8)) \\ &:= (9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14743 &:= 1 + (1 + (111 + (11 \times ((11^{1+1+1}) - 1)))) \\ &:= 2 + (((22/2)^{2+2}) + ((2 \times (2 + 2) + 2)^2)) \\ &:= 3 + ((3 \times ((33/3 + 3) + 3)^3) + 3/3) \\ &:= 4 + ((4 - 4/4) \times (((4 \times 4) + 4/4)^{4-4/4})) \\ &:= ((5 \times 5) - ((5 + 5)/5)) \times (((55 + 5^5)/5) + 5) \\ &:= ((6 - 6/6)^6) - (666 + 6 \times 6 \times 6) \\ &:= 7/7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - 7) \\ &:= (((8 - 8/8) + 8) + 8) \times ((8 \times (88 - 8)) + 8/8) \\ &:= 9/9 + ((9 + 9) \times (9 \times (9 \times 9 + 9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14744 &:= ((1 + 1)^{1+1+1}) + ((11 + 11)^{1+1+1}) \\ &:= 2 \times (((2 \times 2 \times 22 - 2)^2) - (22 + 2)) \\ &:= 3 + (((3 \times ((33/3 + 3) + 3)^3) - 3/3) + 3) \\ &:= ((44/4)^4) + ((444/4) - (4 + 4)) \\ &:= 5 + ((55 \times (5 \times 55 - 5)) - (555/5)) \\ &:= 6/6 + (((6 - 6/6)^6) - (666 + 6 \times 6 \times 6)) \\ &:= (((77 + 7)/7) + 7) \times (777 - 7/7) \\ &:= ((88/8) + 8) \times ((8 \times (88 + 8)) + 8) \\ &:= ((9 + 9)/9) + ((9 + 9) \times (9 \times (9 \times 9 + 9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14745 &:= 1 + (((1 + 1)^{1+1+1}) + ((11 + 11)^{1+1+1})) \\ &:= ((22/2)^{2+2}) + (2 \times (2 \times (22 + 2 + 2))) \\ &:= 3 + ((3 \times ((33/3 + 3) + 3)^3) + 3) \\ &:= 4 \times 4 + (((44/4)^4) + 44) + 44 \\ &:= (5 \times 5^5) - (55 \times (55/5 + 5)) \\ &:= 6 + ((6 \times 6/(6 + 6)) \times (((66/6) + 6)^{6 \times 6/(6+6)})) \\ &:= 7 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - (77/7)) \\ &:= 8 + (((88/8)^{8 \times 8/(8+8)} + 88) + 8) \\ &:= ((9 + 9 + 9)/9) + ((9 + 9) \times (9 \times (9 \times 9 + 9)) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14746 &:= (1 + ((11 - 1)^{1+1})) \times (1 + (1 + ((1 + 11)^{1+1}))) \\ &:= (2 \times (((2 \times 2 \times 22 - 2)^2) - 22)) - 2 \\ &:= 3 + (((3 \times ((33/3 + 3) + 3)^3) + 3/3) + 3) \\ &:= 4 + ((4444/44) + ((44/4)^4)) \\ &:= 5 + (((5 \times 5) - 5/5) \times ((5^5 - 55)/5) + 5) \\ &:= 6 + ((66 + 6/6) \times (((6 \times 6 \times 6) - ((6 + 6)/6)) + 6)) \\ &:= 7 + (((77/7)^{77/7-7}) + (7 \times (7 + 7))) \\ &:= ((8 + 8)/8) + (((88/8) + 8) \times ((8 \times (88 + 8)) + 8)) \\ &:= ((9 + 9)/9) \times ((9 \times (9 \times (9 \times 9 + 9)) + 9)) + ((9 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14747 &:= ((1 + 11) \times ((11 \times (1 + 111)) - (1 + 1 + 1))) - 1 \\ &:= (2 \times (((2 \times 2 \times 22 - 2)^2) - 22)) - 2/2 \\ &:= (3 \times (((33/3 + 3) + 3)^3) + 3) - 3/3 \\ &:= ((44/4)^4) + (((444 - 4)/4) - 4) \\ &:= 5 + ((55 - 5/5) \times ((5 \times 55) - ((5 + 5)/5))) \\ &:= 66 + ((6 \times (6 \times ((6 \times 66) + 6) + 6))) - (6/6 + 6) \\ &:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - ((7 + 7)/7) \\ &:= 8 + (((8 + 8) \times 888) + (8 \times 8 \times 8)) + (88/8) + 8 \\ &:= ((9 \times 9 + 9)/(9 + 9)) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14748 &:= (1 + 11) \times ((11 \times (1 + 111)) - (1 + 1 + 1)) \\ &:= 2 \times (((2 \times 2 \times 22 - 2)^2) - 22) \\ &:= 3 \times (((33/3 + 3) + 3)^3) + 3 \\ &:= ((44/4)^4) + ((444/4) - 4) \\ &:= (5 \times ((5^5 - 55) + 5)) - ((5^5 + 5 + 5)/5) \\ &:= 66 + ((6 \times (6 \times ((6 \times 66) + 6) + 6))) - 6 \\ &:= (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - 7/7 \\ &:= ((88 + 8)/8) \times (((88/8) \times (888/8)) + 8) \\ &:= 9 + (((9 + 9) \times (9 \times (9 \times 9 + 9)) + 9)) - ((9 + 9 + 9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14749 &:= 111 + ((11^{1+1+1+1}) - (1 + 1 + 1)) \\ &:= 2/2 + (2 \times (((2 \times 2 \times 22 - 2)^2) - 22)) \\ &:= 3/3 + (3 \times (((33/3 + 3) + 3)^3) + 3) \\ &:= 44 + (((44/4)^4) + (4 \times (4 \times 4))) \\ &:= (5 \times ((5^5 - 55) + 5)) - ((5^5 + 5)/5) \\ &:= 6 + (((6 - 6/6)^6) - (666 + 6 \times 6 \times 6)) \\ &:= 7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7)) \\ &:= 8 \times 8 + ((88/8) \times (((8 - 8/8) + 8) \times (8/8 + 88))) \\ &:= 9 + (((99/9)^{(9 \times 9 - 9)/(9+9)} + 99)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14750 &:= 111 + ((11^{1+1+1+1}) - (1 + 1)) \\ &:= 2 + (2 \times (((2 \times 2 \times 22 - 2)^2) - 22)) \\ &:= (33/3) + (3 \times (((33/3 + 3) + 3)^3)) \\ &:= 44 + (((4^4 + 4)/4) + ((44/4)^4)) \\ &:= 5 \times ((5 + 5) \times ((5 \times (55 + 5)) - 5)) \\ &:= (((6 \times 6 \times 6) + 6/6) \times (((6 + 6)/6) + 66)) - 6 \\ &:= 7/7 + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) \\ &:= 8 + ((8 - 8/8) \times (((88 \times (8 + 8 + 8)) - 8) + ((8 + 8)/8))) \\ &:= 9 + (((9 + 9) \times (9 \times (9 \times 9 + 9)) + 9)) - 9/9 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14751 &:= 11 \times (11 + ((11^{1+1+1}) - 1)) \\
&:= ((22/2)^{2+2}) + ((222 - 2)/2) \\
&:= 3 + (3 \times (((33/3 + 3) + 3)^3) + 3) \\
&:= ((44/4)^4) + ((444 - 4)/4) \\
&:= 55 + (((55/5)^{5-5/5}) + 55) \\
&:= (666/6) + ((66 \times (6 \times 6 \times 6 + 6)) - (6 + 6)) \\
&:= ((7 + 7)/7) + (7 \times (7 \times ((7 \times (7 \times 7) - 7) + 7))) \\
&:= 8 + (((8 - 8/8) + 8) + 8) \times ((8 \times (88 - 8)) + 8/8) \\
&:= 9 + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14752 &:= 111 + (11^{1+1+1+1}) \\
&:= (222/2) + ((22/2)^{2+2}) \\
&:= (333/3) + ((33/3)^{3/3+3}) \\
&:= ((44/4)^4) + (444/4) \\
&:= (555/5) + ((55/5)^{5-5/5}) \\
&:= (666/6) + ((66/6)^{6-(6+6)/6}) \\
&:= (7/7 + 7) \times (((7 + 7 + 7)/7)^7) - (7 \times 7 \times 7) \\
&:= 8 + (((88/8) + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14753 &:= 1 + (111 + (11^{1+1+1+1})) \\
&:= ((22/2)^{2+2}) + ((222 + 2)/2) \\
&:= 3 + ((3 \times (((33/3 + 3) + 3)^3)) + (33/3)) \\
&:= ((44/4)^4) + (4 \times (44 - 4 \times 4)) \\
&:= ((555 + 5)/5) + ((55/5)^{5-5/5}) \\
&:= 66 + ((6 \times (6 \times (((6 \times 66) + 6) + 6))) - 6/6) \\
&:= (77/7) + ((7 \times (7 \times ((7 \times (7 \times 7) - 7) + 7))) - 7) \\
&:= (8 \times (8 \times (8 \times (8 + 8)))) + (((88/8) - 8)^8) \\
&:= (99/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14754 &:= 1 + (1 + (111 + (11^{1+1+1+1}))) \\
&:= 2 + (((22/2)^{2+2}) + 222/2) \\
&:= 3 + ((3 \times (((33/3 + 3) + 3)^3) + 3) + 3) \\
&:= ((44/4)^4) + (((444 + 4) + 4)/4) \\
&:= 5 + ((5 \times ((5^5 - 55) + 5)) - ((5^5 + 5)/5)) \\
&:= 66 + (6 \times (6 \times (((6 \times 66) + 6) + 6))) \\
&:= 7 + ((7 \times (7 \times ((7 \times (7 \times 7) - 7) + 7))) - ((7 + 7)/7)) \\
&:= 8/8 + ((8 \times (8 \times (8 \times (8 + 8)))) + (((88/8) - 8)^8)) \\
&:= ((99 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14755 &:= 1 + (1 + (1 + (111 + (11^{1+1+1+1})))) \\
&:= 2 + (((22/2)^{2+2}) + ((222 + 2)/2)) \\
&:= 3 + (((33/3)^{3/3+3}) + (333/3)) \\
&:= 4 + (((444 - 4)/4) + ((44/4)^4)) \\
&:= 5 + (5 \times ((5 + 5) \times ((5 \times (55 + 5)) - 5))) \\
&:= ((6 - 6/6)^6) - ((6 \times ((6 + 6) \times (6 + 6))) + 6) \\
&:= 7 + ((7 \times (7 \times ((7 \times (7 \times 7) - 7) + 7))) - 7/7) \\
&:= 88/8 + (((88/8) + 8) \times ((8 \times (88 + 8)) + 8)) \\
&:= ((99 + 9 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14756 &:= 1 + (1 + (1 + (1 + (111 + (11^{1+1+1+1})))))) \\
&:= 2 + (((22/2)^{2+2}) + 222/2) + 2) \\
&:= (((3 + 3)^3) + 3/3) \times (((((3 + 3)^3) - 3)/3) - 3) \\
&:= 4 + (((44/4)^4) + (444/4)) \\
&:= 5 + ((5 \times ((5 + 5) \times ((5 \times (55 + 5)) - 5))) + 5/5) \\
&:= ((6 \times 6 \times 6) + 6/6) \times (((6 + 6)/6) + 66) \\
&:= 7 + (7 \times (7 \times ((7 \times (7 \times 7) - 7) + 7))) \\
&:= (8 - 8/8) \times ((88 \times (8 + 8 + 8)) - (8 \times 8/(8 + 8))) \\
&:= ((9 + 9) \times ((9 \times 99) - 9)) - (9999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14757 &:= (((1 + ((1 + 1 + 1)^{11-1}))/((1 + 1)) - 11)/(1 + 1)) \\
&:= 2 + (((22/2)^{2+2}) + ((222 + 2)/2)) + 2) \\
&:= 3 \times (((((33/3 + 3) + 3)^3) + 3) + 3) \\
&:= 4 + ((4 \times (44 - 4 \times 4)) + ((44/4)^4)) \\
&:= 5 + (((55/5)^{5-5/5}) + (555/5)) \\
&:= (666/6) + ((66 \times (6 \times 6 \times 6 + 6)) - 6) \\
&:= 7 + ((7 \times (7 \times ((7 \times (7 \times 7) - 7) + 7))) + 7/7) \\
&:= ((88/8) - 8) \times ((88 \times ((8 \times 8) - 8)) - (8/8 + 8)) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9) + 9)) - ((9 + 9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14758 &:= (11 \times (11 + (11^{1+1+1+1})) - (1 + 1 + 1 + 1)) \\
&:= ((22/2)^2) + (((22/2)^{2+2}) - (2 + 2)) \\
&:= 3/3 + (3 \times (((((33/3 + 3) + 3)^3) + 3) + 3)) \\
&:= 4 + (((444 + 4) + 4)/4) + ((44/4)^4) \\
&:= (5 \times 5^5) + (((5 - 5^5)/(5 + 5)) - 555) \\
&:= ((6 + 6) \times ((6 \times 6 \times 6 \times 6) - 66)) - ((6 + 6)/6) \\
&:= 7 + ((7 \times (7 \times ((7 \times (7 \times 7) - 7) + 7))) + (7 + 7)/7) \\
&:= (8 \times (8 + 8)) + (((88/8)^{8 \times 8/(8+8)}) - 88/8) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9) + 9)) - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14759 &:= (11 \times (11 + (11^{1+1+1+1})) - (1 + 1 + 1)) \\
&:= 22 + (((((22/2)^2) - 2)^2) + (22 + 2)^2) \\
&:= (3 \times (((3^3 \times 3) - 3)/(3/3 + 3))) - 3/3 \\
&:= 4 + (((444 - 4)/4) + ((44/4)^4) + 4) \\
&:= (((5 + 5)/5 + 5)^5) - (((5 + 5)/5)^{55/5}) \\
&:= ((6 + 6) \times ((6 \times 6 \times 6 \times 6) - 66)) - 6/6 \\
&:= ((77 - 7)/7) + (7 \times (7 \times ((7 \times (7 \times 7) - 7) + 7))) \\
&:= (8 \times 888) + ((88 \times 88) - (8/8 + 88)) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9) + 9)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14760 &:= (1 + 11) \times ((11 \times (1 + 111)) - (1 + 1)) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) - (2^{2+2})) \\
&:= 3 \times (((3^3 \times 3) - 3)/(3/3 + 3)) \\
&:= (44 - 4) \times (((4/4 + 4)^4) - 4^4) \\
&:= ((5 \times 5) - 5/5) \times ((5^5/5) - (5 + 5)) \\
&:= (6 + 6) \times ((6 \times 6 \times 6 \times 6) - 66) \\
&:= (77/7) + (7 \times (7 \times ((7 \times (7 \times 7) - 7) + 7))) \\
&:= (8 + 8 + 8) \times ((8 \times 88) - (8/8 + 88)) \\
&:= (99/9 + 9) \times ((9 \times (9 \times 9) + 9))
\end{aligned}$$

- ▶ **14761** := $(11 \times (11 + (11^{1+1+1}))) - 1$
:= $((22/2)^2) + (((22/2)^{2+2}) - 2/2)$
:= $3/3 + (3 \times ((3^{3 \times 3}) - 3)/(3/3 + 3))$
:= $((44/4)^4) + ((4 + 4) \times ((44/4) + 4))$
:= $(5 \times 5 \times 5) + (((55/5)^{5-5/5}) - 5)$
:= $((6 - 6/6)^6) - (6 \times ((6 + 6) \times (6 + 6)))$
:= $((77 + 7)/7) + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7)))$
:= $8 + ((8 \times (8 \times (8 \times (8 + 8)))) + (((88/8) - 8)^8))$
:= $9/9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) + 9))$
- ▶ **14762** := $11 \times (11 + (11^{1+1+1}))$
:= $((22/2)^2) + ((22/2)^{2+2})$
:= $(33/3) \times (((33/3)^3) + (33/3))$
:= $((44/4)^4) + ((44/4)^{(4+4)/4})$
:= $5 + (((55/5)^{5-5/5}) + (555/5)) + 5$
:= $6 + (((6 \times 6 \times 6) + 6/6) \times ((6 + 6)/6) + 66)$
:= $(777 \times (((77 + 7)/7) + 7)) - 7/7$
:= $(88/8) \times ((88/8) \times ((888 + 88)/8))$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) + (99/9))$
- ▶ **14763** := $111 \times (1 + (11 \times (1 + 11)))$
:= $(222/2) \times ((222/2) + 22)$
:= $3 + (3 \times (((3^{3 \times 3}) - 3)/(3/3 + 3)))$
:= $((44/4)^4) + ((444 + 44)/4)$
:= $5 + (((5 - 5^5)/(5 + 5)) - 555) + (5 \times 5^5)$
:= $(666/6) + (66 \times (6 \times 6 \times 6 + 6))$
:= $777 \times (((77 + 7)/7) + 7)$
:= $(8 - 8/8) \times (((88/8) + 8) \times (888/8))$
:= $9 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) + ((99 + 9)/9))$
- ▶ **14764** := $1 + (111 \times (1 + (11 \times (1 + 11))))$
:= $2 + (((22/2)^{2+2}) + ((22/2)^2))$
:= $3 + ((3 \times (((3^{3 \times 3}) - 3)/(3/3 + 3))) + 3/3)$
:= $4 + ((44 - 4) \times (((4/4 + 4)^4) - 4^4))$
:= $(5 - 5/5) \times ((555 + (55/5)) + 5^5)$
:= $((666 + 6)/6) + (66 \times (6 \times 6 \times 6 + 6))$
:= $7/7 + (777 \times (((77 + 7)/7) + 7))$
:= $((8 + 8) \times 888) + ((8888 + 8)/(8 + 8))$
:= $((9 + 9)/9) \times ((9 \times ((9 \times (9 \times 9 + 9)) + 9)) + (99/9))$
- ▶ **14765** := $1 + (1 + (111 \times (1 + (11 \times (1 + 11))))))$
:= $2 + ((222/2) \times ((222/2) + 22))$
:= $3 + ((33/3) \times (((33/3)^3) + (33/3)))$
:= $((44/4)^4) + ((4 \times (4 \times (4 + 4))) - 4)$
:= $5 + (((5 \times 5) - 5/5) \times ((5^5/5) - (5 + 5)))$
:= $6 + (((6 + 6) \times ((6 \times 6 \times 6 \times 6) - 66)) - 6/6)$
:= $((7 + 7)/7) + (777 \times (((77 + 7)/7) + 7))$
:= $(88 \times ((88 - 8) + 88)) - ((88/8) + 8)$
:= $((9 + 9) \times ((9 \times 99) - 9)) - 9999/9$
- ▶ **14766** := $1 + (1 + (1 + (111 \times (1 + (11 \times (1 + 11))))))$
:= $2222 + (((222 + 2)/2)^2)$
:= $3 \times (((33/3 + 3) + 3)^3) + 3 \times 3$
:= $44 + (((44/4)^4) + ((4 - 4/4)^4))$
:= $(5 \times 5 \times 5) + (((55/5)^{5-5/5}) - 5)$
:= $6 + ((6 + 6) \times ((6 \times 6 \times 6 \times 6) - 66))$
:= $(7 - 7/7) \times ((7 \times (7 \times 7 \times 7 + 7)) + (77/7))$
:= $((8 - 88)/8) + ((88 \times ((88 - 8) + 88)) - 8)$
:= $((99 - 9/9) + 9) \times (((999/9) + 9) + 9) + 9$
- ▶ **14767** := $1 + (1 + (1 + (1 + (111 \times (1 + (11 \times (1 + 11))))))$
:= $((22/2)^{2+2}) + ((2 \times (2^{2+2+2})) - 2)$
:= $3^{3 \times 3} - (((33/3 + 3) + 3)^3) + 3$
:= $((44/4)^4) + ((4^4 - 4)/(4 + 4)/4)$
:= $5/5 + (((55/5)^{5-5/5}) + 5 \times 5 \times 5)$
:= $6 + (((6 - 6/6)^6) - (6 \times ((6 + 6) \times (6 + 6))))$
:= $((7 + 7)/7)^{7+7} - (77 \times (7 + 7 + 7))$
:= $(88 \times ((88 - 8) + 88)) - (8/8 + 8 + 8)$
:= $((9 + 9)/9)^9 \times ((99/9 + 9) + 9) - (9 \times 9)$
- ▶ **14768** := $(1 + 1 + 11) \times (1 + (111 + ((1 + 1)^{11-1})))$
:= $(2 \times ((2 \times 2 \times 22 - 2)^2)) - (22 + 2)$
:= $(3 \times (((3^{3 \times 3}) - 3)/(3/3 + 3)) + 3) - 3/3$
:= $4 \times ((44 \times ((4 \times (4 \times 4 + 4)) + 4)) - 4)$
:= $(5 \times 5) + 5/5 \times (((5^5 - (5 + 5))/5) - 55)$
:= $6 + (((6 \times 6 \times 6) + 6/6) \times ((6 + 6)/6) + 66) + 6$
:= $((777/7) - 7) \times (((7 + 7)/7)^7 + 7) + 7$
:= $(88 \times ((88 - 8) + 88)) - (8 + 8)$
:= $9 + (((99/9 + 9) \times ((9 \times (9 \times 9)) + 9)) - 9/9)$
- ▶ **14769** := $((1 + 11) \times ((11 \times (1 + 111)) - 1)) - (1 + 1 + 1)$
:= $((22/2)^{2+2}) + (2 \times (2^{2+2+2}))$
:= $3 \times (((3^{3 \times 3}) - 3)/(3/3 + 3)) + 3$
:= $((44/4)^4) + (4 \times (4 \times (4 + 4)))$
:= $((5 - 5/5)^5) + ((5 \times (5 \times ((5 + 5) \times 55))) - 5)$
:= $6 + ((66 \times (6 \times 6 \times 6 + 6)) + 666/6)$
:= $(7 \times (((7 + 7 + 7)/7)^7) - 77) - 7/7$
:= $(8 \times (8 + 8)) + ((88/8)^{8 \times 8/(8+8)})$
:= $9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) + 9))$
- ▶ **14770** := $((1 + 11) \times ((11 \times (1 + 111)) - 1)) - (1 + 1)$
:= $(2 \times ((2 \times 2 \times 22 - 2)^2)) - 22$
:= $3^{3 \times 3} - (((33/3 + 3) + 3)^3)$
:= $4/4 + (((44/4)^4) + (4 \times (4 \times (4 + 4))))$
:= $(5 \times (5^5 - (55 + 5))) - 555$
:= $((6 + 6)/6)^6 + 6 \times ((6 \times 6 \times 6 - 6) + 6/6)$
:= $7 \times (((7 + 7 + 7)/7)^7) - 77$
:= $(8 - 8/8) \times ((88 \times (8 + 8 + 8)) - ((8 + 8)/8))$
:= $9 + (((99/9 + 9) \times ((9 \times (9 \times 9)) + 9)) + 9/9)$

$$\begin{aligned}
\blacktriangleright 14771 &:= ((1 + 11) \times ((11 \times (1 + 111)) - 1)) - 1 \\
&:= 2 + (((22/2)^{2+2}) + (2 \times (2^{2+2+2})) \\
&:= 3/3 + ((3^{3 \times 3}) - (((33/3 + 3) + 3)^3)) \\
&:= ((44/4)^4) + ((4^4 + 4)/(4 + 4)/4) \\
&:= 5 + (((55/5)^{5-5/5}) + 5 \times 5 \times 5) \\
&:= (66/6) + ((6 + 6) \times ((6 \times 6 \times 6 \times 6) - 66)) \\
&:= 7/7 + (7 \times (((7 + 7 + 7)/7)^7) - 77) \\
&:= 8 + ((8 - 8/8) \times (((88/8) + 8) \times (888/8))) \\
&:= (99/9) + ((99/9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14772 &:= (1 + 11) \times ((11 \times (1 + 111)) - 1) \\
&:= 2 + ((2 \times ((2 \times 2 \times 22 - 2)^2)) - 22) \\
&:= 33 + (3 \times (((33/3 + 3) + 3)^3)) \\
&:= 4 + (4 \times ((44 \times ((4 \times (4 \times 4 + 4)) + 4)) - 4)) \\
&:= 5 + (((55/5)^{5-5/5}) + 5 \times 5 \times 5) + 5/5) \\
&:= 6 + (((6 + 6) \times ((6 \times 6 \times 6 \times 6) - 66)) + 6) \\
&:= ((7 + 7)/7) + (7 \times (((7 + 7 + 7)/7)^7) - 77) \\
&:= (88 \times ((88 - 8) + 88)) - ((88 + 8)/8) \\
&:= (999/9) + (9 \times ((9 \times (99 + (9 \times 9))) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14773 &:= 11 \times (1 + (11 + (11^{1+1+1}))) \\
&:= ((22/2)^{2+2}) + (22 \times (2 + 2 + 2)) \\
&:= 3 + ((3^{3 \times 3}) - (((33/3 + 3) + 3)^3)) \\
&:= 4 + (((44/4)^4) + (4 \times (4 \times (4 + 4)))) \\
&:= (55/5) \times ((5 \times (5 \times 55)) - ((5 + 5)/5)^5) \\
&:= 6 + (((6 - 6/6)^6) - (6 \times ((6 + 6) \times (6 + 6)))) + 6) \\
&:= 7 + ((7 - 7/7) \times ((7 \times (7 \times 7 \times 7 + 7)) + (77/7))) \\
&:= (88 \times ((88 - 8) + 88)) - (88/8) \\
&:= (99/9) \times (((9 - 9/9) + 9) \times ((9 \times 9) - ((9 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14774 &:= 1 + (11 \times (1 + (11 + (11^{1+1+1})))) \\
&:= (2 \times (((2 \times 2 \times 22 - 2)^2) + 2)) - 22 \\
&:= 3 + (((3^{3 \times 3}) - (((33/3 + 3) + 3)^3)) + 3/3) \\
&:= 4 + (((44/4)^4) + (4 \times (4 \times (4 + 4)))) + 4/4) \\
&:= ((5 - 5/5)^5) + (5 \times (5 \times ((5 + 5) \times 55))) \\
&:= (66 \times (6 \times 6 \times 6 + 6)) + ((666 + 66)/6) \\
&:= 7 + (((7 + 7)/7)^{7+7}) - (77 \times (7 + 7 + 7)) \\
&:= ((8 - 88)/8) + (88 \times ((88 - 8) + 88)) \\
&:= 9 + (((9 + 9) \times ((9 \times 99) - 9)) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14775 &:= 1 + (1 + (11 \times (1 + (11 + (11^{1+1+1})))))) \\
&:= 2 + (((22/2)^{2+2}) + (22 \times (2 + 2 + 2))) \\
&:= 3 + (3 \times (((33/3 + 3) + 3)^3)) + 33) \\
&:= 4 + (((4^4 + 4)/(4 + 4)/4) + ((44/4)^4)) \\
&:= 5 \times (((5 + 5) \times ((5 \times (55 + 5)) - 5)) + 5) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 + 6)) + 666/6) + 6) \\
&:= (77 - ((7 + 7)/7)) \times (((7 + 7) \times (7 + 7)) + 7/7) \\
&:= (88 \times ((88 - 8) + 88)) - (8/8 + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times 99) - 9)) + ((9 - 9999)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14776 &:= 1 + (1 + (1 + (11 \times (1 + (11 + (11^{1+1+1})))))) \\
&:= 2 \times (2 \times (2 \times (((2 \times 22) - 2/2)^2) - 2)) \\
&:= 3 + (((3^{3 \times 3}) - (((33/3 + 3) + 3)^3)) + 3) \\
&:= (4 \times (44 \times ((4 \times (4 \times 4 + 4)) + 4))) - (4 + 4) \\
&:= ((5 - 5^5)/5) + (55 \times (5 \times 55 + 5)) \\
&:= 6 + (((((6 + 6)/6)^6) + 6) \times ((6 \times 6 \times 6 - 6) + 6/6)) \\
&:= 7 + ((7 \times (((7 + 7 + 7)/7)^7) - 77) - 7/7) \\
&:= (88 \times ((88 - 8) + 88)) - 8 \\
&:= 9 + (((((9 + 9)/9)^9) \times ((99/9 + 9) + 9)) - (9 \times 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14777 &:= 1 + (1 + (1 + (1 + (11 \times (1 + (11 + (11^{1+1+1}))))))) \\
&:= (((((22/2)^2) + 2)^2) - (22 \times (2^{2+2})) \\
&:= 3^3 + ((3 \times (((33/3 + 3) + 3)^3)) + (33/3)) \\
&:= 4 + (((44/4)^4) + (4 \times (4 \times (4 + 4)))) + 4) \\
&:= (((5 - 5^5) + 5)/5) + (55 \times (5 \times 55 + 5)) \\
&:= 6 + (((6 + 6) \times ((6 \times 6 \times 6 \times 6) - 66)) + (66/6)) \\
&:= 7 + (7 \times (((7 + 7 + 7)/7)^7) - 77) \\
&:= 8/8 + ((88 \times ((88 - 8) + 88)) - 8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + (99/9))) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14778 &:= (1 + 1) \times ((1 + 1 + 1) \times (((1 + 1) \times (11 \times (1 + 111))) - 1)) \\
&:= (2/2 + 2) \times ((22 \times (222 + 2)) - 2) \\
&:= 3 \times (((((3^{3 \times 3}) - 3)/(3/3 + 3)) + 3) + 3) \\
&:= 4 + (((44/4)^4) + (4 \times (4 \times (4 + 4)))) + 4/4) + 4) \\
&:= 5 + (55/5 \times ((5 \times (5 \times 55)) - ((5 + 5)/5)^5)) \\
&:= (66 \times (((6 \times 6 \times 6) + ((6 + 6)/6) + 6)) - 6) \\
&:= 7 + ((7 \times (((7 + 7 + 7)/7)^7) - 77) + 7/7) \\
&:= ((8 + 8)/8) + ((88 \times ((88 - 8) + 88)) - 8) \\
&:= (9 + 9) \times ((9 \times (9 \times 9 + 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14779 &:= (11 \times ((1 + 11) \times (1 + 111))) - (1 + 1 + 1 + 1 + 1) \\
&:= (2 \times ((2 \times 2 \times 22 - 2)^2)) - ((22/2) + 2) \\
&:= 3 \times 3 + ((3^{3 \times 3}) - (((33/3 + 3) + 3)^3)) \\
&:= (4 \times (44 \times ((4 \times (4 \times 4 + 4)) + 4))) - (4/4 + 4) \\
&:= 5 + ((5 \times (5 \times ((5 + 5) \times 55))) + ((5 - 5/5)^5)) \\
&:= (6 \times (6 - 6 \times 6)) + (((6 - 6/6)^6) - 666) \\
&:= 7 + ((7 \times (((7 + 7 + 7)/7)^7) - 77) + (7 + 7)/7) \\
&:= 88/8 + ((88 \times ((88 - 8) + 88)) - (8 + 8)) \\
&:= 9/9 + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14780 &:= (11 \times ((1 + 11) \times (1 + 111))) - (1 + 1 + 1 + 1) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) - (2 + 2 + 2)) \\
&:= (3/3 + 3) \times (((33 \times (333 + 3)) - 3)/3) \\
&:= (4 \times (44 \times ((4 \times (4 \times 4 + 4)) + 4))) - 4 \\
&:= 5 + (5 \times (((5 + 5) \times ((5 \times (55 + 5)) - 5)) + 5)) \\
&:= ((6 - 6/6)^6) + ((6/6 + 6 + 6) \times (6/6 - 66)) \\
&:= ((77 - 7)/7) + (7 \times (((7 + 7 + 7)/7)^7) - 77) \\
&:= (88 \times ((88 - 8) + 88)) - (8 \times 8/(8 + 8)) \\
&:= (99/9 + 9) \times (((9 \times (9 \times 9)) + 9/9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14781 &:= (11 \times ((1+11) \times (1+111))) - (1+1+1) \\
&:= (2 \times ((2 \times 2 \times 22 - 2)^2)) - (22/2) \\
&:= 33 + (3 \times (((33/3+3) + 3^3) + 3)) \\
&:= ((44/4)^4) + ((4 \times ((4 \times (4+4)) + 4)) - 4) \\
&:= 5 + ((55 \times (5 \times 55 + 5)) + ((5 - 5^5)/5)) \\
&:= 6 + (((66 \times (6 \times 6 \times 6 + 6)) + 666/6) + 6) + 6 \\
&:= (77/7) + (7 \times (((7+7+7)/7)^7) - 77) \\
&:= 8 + ((88 \times ((88 - 8) + 88)) - 88/8) \\
&:= 9 + ((9 \times ((9 \times (99 + (9 \times 9))) + 9)) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14782 &:= (11 \times ((1+11) \times (1+111))) - (1+1) \\
&:= (2 \times ((2^{2+2}) \times (22^2 - 22))) - 2 \\
&:= 3 + (((3^{3 \times 3}) - (((33/3+3) + 3^3)) + 3 \times 3) \\
&:= 4^4 + (((44/4)^4) - ((444/4) + 4)) \\
&:= 5 + ((55 \times (5 \times 55 + 5)) + ((5 - 5^5) + 5)/5) \\
&:= (((6+6)/6) + (6 \times 6)) \times ((6 \times 66) - (6/6 + 6)) \\
&:= (((77+7)/7) + 7) \times (777 + 7/7) \\
&:= (88 \times ((88 - 8) + 88)) - ((8+8)/8) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9)) + (99/9))) - (9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14783 &:= (11 \times ((1+11) \times (1+111))) - 1 \\
&:= 2 + ((2 \times ((2 \times 2 \times 22 - 2)^2)) - (22/2)) \\
&:= ((333+3) \times ((33/3) + 33)) - 3/3 \\
&:= (4 \times (44 \times ((4 \times (4 \times 4 + 4)) + 4))) - 4/4 \\
&:= (5 \times (5^5 + 5)) + (((5 - 5^5)/(5+5)) - 555) \\
&:= (66 \times (((6 \times 6 \times 6) + ((6+6)/6)) + 6)) - 6/6 \\
&:= 7 + (((7 \times (((7+7+7)/7)^7) - 77) - 7/7) + 7) \\
&:= (88 \times ((88 - 8) + 88)) - 8/8 \\
&:= 9 + (((9+9) \times ((9 \times 99) - 9)) - 9999/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14784 &:= 11 \times ((1+11) \times (1+111)) \\
&:= 2 \times ((2^{2+2}) \times (22^2 - 22)) \\
&:= (333+3) \times ((33/3) + 33) \\
&:= 4 \times (44 \times ((4 \times (4 \times 4 + 4)) + 4)) \\
&:= ((5 \times 5) - 5/5) \times (((5^5 + 5)/5) - (5+5)) \\
&:= 66 \times (((6 \times 6 \times 6) + ((6+6)/6)) + 6) \\
&:= 7 + ((7 \times (((7+7+7)/7)^7) - 77) + 7) \\
&:= 88 \times ((88 - 8) + 88) \\
&:= (99/9) \times (((99+9)/9) \times ((999+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14785 &:= 1 + (11 \times ((1+11) \times (1+111))) \\
&:= ((22/2)^{2+2}) + ((2 \times (2+2+2))^2) \\
&:= 3/3 + ((333+3) \times ((33/3) + 33)) \\
&:= ((44/4)^4) + (4 \times ((4 \times (4+4)) + 4)) \\
&:= (5 \times 5^5) - ((5+5+5) \times (55+5/5)) \\
&:= 6/6 + (66 \times (((6 \times 6 \times 6) + ((6+6)/6)) + 6)) \\
&:= (((7/7 - 7) + (7 \times 7)) \times ((7 \times 7 \times 7) + 7/7)) - 7 \\
&:= 8/8 + (88 \times ((88 - 8) + 88)) \\
&:= (((999+99)/9)^{(9+9)/9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14786 &:= 1 + (1 + (11 \times ((1+11) \times (1+111)))) \\
&:= (2 \times (((2 \times 2 \times 22 - 2)^2) - 2)) - 2 \\
&:= (3 \times (((3^{3 \times 3}) + 33)/(3/3 + 3))) - 3/3 \\
&:= 4^4 + (((44/4)^4) - (444/4)) \\
&:= (5 \times (5 \times 5 + 5)) + (((55/5)^{5-5/5}) - 5) \\
&:= ((6+6)/6) + (66 \times (((6 \times 6 \times 6) + ((6+6)/6)) + 6)) \\
&:= (7 \times 7 \times 7) + (((7 - 7/7) + 7) \times (7777/7)) \\
&:= ((8+8)/8) + (88 \times ((88 - 8) + 88)) \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9 + 9)) + (99/9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14787 &:= 1 + (1 + (1 + (11 \times ((1+11) \times (1+111)))))) \\
&:= (2 \times (((2 \times 2 \times 22 - 2)^2) - 2)) - 2/2 \\
&:= 3 \times (((3^{3 \times 3}) + 33)/(3/3 + 3)) \\
&:= 4 + ((4 \times (44 \times ((4 \times (4 \times 4 + 4)) + 4))) - 4/4) \\
&:= (55 - ((5+5)/5)) \times (((5 \times 55) - 5/5) + 5) \\
&:= (6 \times ((6 \times (6 \times (66 + 6))) - 6)) - ((6 \times 6/(6+6))^6) \\
&:= (7 \times ((7 \times ((7 \times (7 \times 7) - 7)) + 7)) + 7) - (77/7) \\
&:= 88/8 + (88 \times ((88 - 8) + 88)) - 8 \\
&:= 9 + ((9+9) \times ((9 \times (9 \times 9 + 9)) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14788 &:= 1 + (1 + (1 + (1 + (11 \times ((1+11) \times (1+111)))))) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) - 2) \\
&:= 3/3 + (3 \times (((3^{3 \times 3}) + 33)/(3/3 + 3))) \\
&:= 4 + (4 \times (44 \times ((4 \times (4 \times 4 + 4)) + 4))) \\
&:= ((5 - 5^5)/(5+5)) + (5 \times ((55 \times 55) - 5)) \\
&:= 6 + (((6+6)/6) + (6 \times 6)) \times ((6 \times 66) - (6/6 + 6)) \\
&:= (7 \times (7+7+7)) + (((77/7)^{7/7-7}) \\
&:= (8 \times 8/(8+8)) + (88 \times ((88 - 8) + 88)) \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9 + 9)) + (99/9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14789 &:= (1 + (11 \times ((111 - 1)^{1+1}))) / (11 - 1 - 1) \\
&:= 2/2 + (2 \times (((2 \times 2 \times 22 - 2)^2) - 2)) \\
&:= 3 + ((3 \times (((3^{3 \times 3}) + 33)/(3/3 + 3))) - 3/3) \\
&:= 4 + ((4 \times ((4 \times (4+4)) + 4)) + ((44/4)^4)) \\
&:= (5 \times (55 + 5^5)) - (5555/5) \\
&:= 6 + (66 \times (((6 \times 6 \times 6) + ((6+6)/6)) + 6)) - 6/6 \\
&:= 7 + (((77+7)/7) + 7) \times (777 + 7/7) \\
&:= 8 + (((88 \times ((88 - 8) + 88)) - 88/8) + 8) \\
&:= 9 + ((99/9 + 9) \times (((9 \times (9 \times 9)) + 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14790 &:= (1 + ((1+11)^{1+1})) \times (1 + (1 + ((11 - 1)^{1+1}))) \\
&:= (2 \times ((2 \times 2 \times 22 - 2)^2)) - 2 \\
&:= 3 + (3 \times (((3^{3 \times 3}) + 33)/(3/3 + 3))) \\
&:= (4^4 - 4/4) \times (((4^4 - (4+4))/4) - 4) \\
&:= (5 \times (5^5 - 55)) - (555 + 5) \\
&:= 6 + (66 \times (((6 \times 6 \times 6) + ((6+6)/6)) + 6)) \\
&:= (7 \times ((7 \times ((7 \times (7 \times 7) - 7)) + 7)) + 7) - (7/7 + 7) \\
&:= 8 + ((88 \times ((88 - 8) + 88)) - ((8+8)/8)) \\
&:= 99 + ((9 \times (9 \times (99 + (9 \times 9)))) + (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14791 &:= 1 + ((1 + ((1 + 11)^{1+1})) \times (1 + (1 + ((11 - 1)^{1+1})))) \\
&:= (2 \times ((2 \times 2 \times 22 - 2)^2)) - 2/2 \\
&:= ((3^3 - 3)^3) + (((3 \times 3) + 3/3)^3) - 33 \\
&:= ((44/4)^4) + (44 + 4^4)/((4 + 4)/4) \\
&:= (5 \times (5 \times 5 + 5)) + ((55/5)^{5-5/5}) \\
&:= ((6 - 6/6)^6) + ((6 \times (6 - ((6 + 6) \times (6 + 6)))) - 6) \\
&:= (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) - 7 \\
&:= 8 + ((88 \times ((88 - 8) + 88)) - 8/8) \\
&:= ((99/9 + 9) \times ((9 \times (9 \times 9)) + (99/9))) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14792 &:= (1 + 1) \times (((1 + 1) \times ((1 + 1) \times (11 + 11)) - 1))^{1+1} \\
&:= 2 \times ((2 \times 2 \times 22 - 2)^2) \\
&:= (((3^{3 \times 3}) - 3)/3) + (3 \times ((33/3 + 3)^3)) \\
&:= (4 + 4) \times ((44 - 4/4)^{(4+4)/4}) \\
&:= 5 + ((55 - ((5 + 5)/5)) \times (((5 \times 55) - 5/5) + 5)) \\
&:= 6 \times 6 + (((6 \times 6 \times 6) + 6/6) \times (((6 + 6)/6) + 66)) \\
&:= ((7/7 - 7) + (7 \times 7)) \times ((7 \times 7 \times 7) + 7/7) \\
&:= 8 + (88 \times ((88 - 8) + 88)) \\
&:= (9 - 9/9) \times ((9999/9 + (9 \times (9 \times 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14793 &:= (11 \times (1 + ((1 + 11) \times (1 + 111)))) - (1 + 1) \\
&:= 2/2 + (2 \times ((2 \times 2 \times 22 - 2)^2)) \\
&:= 3 \times (((33/3 + 3) + 3)^3) + (3 \times (3 + 3)) \\
&:= ((44/4)^4) + ((4 \times (44 - 4)) - (4 + 4)) \\
&:= (5 \times 5^5) - (((5 \times 5) + 5/5) \times (((5 + 5)/5)^5)) \\
&:= (666/6) + ((6 \times (6 \times ((6 \times 66) + 6) + 6))) - 6 \\
&:= 7/7 + (((7/7 - 7) + (7 \times 7)) \times ((7 \times 7 \times 7) + 7/7)) \\
&:= 8 + ((88 \times ((88 - 8) + 88)) + 8/8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 99)) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14794 &:= (11 \times (1 + ((1 + 11) \times (1 + 111)))) - 1 \\
&:= 2 + (2 \times ((2 \times 2 \times 22 - 2)^2)) \\
&:= (((3^{3 \times 3}) + 3)/3) + (3 \times ((33/3 + 3)^3)) \\
&:= 4 + ((4^4 - 4/4) \times (((4^4 - (4 + 4))/4) - 4)) \\
&:= ((5 \times 5) + 5/5) \times (((5^5 - 5)/5) - 55) \\
&:= (((6 \times 6) + 6/6) \times (((6 \times 66) - ((6 + 6)/6)) + 6)) - 6 \\
&:= 7 + ((7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) - (77/7)) \\
&:= 8 + ((88 \times ((88 - 8) + 88)) + ((8 + 8)/8)) \\
&:= 9 + (((999 + 99)/9)^{(9+9)/9}) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14795 &:= 11 \times (1 + ((1 + 11) \times (1 + 111))) \\
&:= 2 + ((2 \times ((2 \times 2 \times 22 - 2)^2)) + 2/2) \\
&:= (33/3) \times (((33/3)^3) + (33/3)) + 3 \\
&:= 44 + (((444 - 4)/4) + ((44/4)^4)) \\
&:= 55 \times ((5 \times 55) - (5/5 + 5)) \\
&:= (66/6) \times (((6 + 6) \times (666 + 6)) + 6)/6 \\
&:= 77 + (((77/7)^{77/7-7}) + 77) \\
&:= 88/8 + (88 \times ((88 - 8) + 88)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 99)) - ((9/9 + 99) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14796 &:= (1 + 11) \times (1 + (11 \times (1 + 111))) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) + 2) \\
&:= ((3^3 - 3)^3) + (3^3 \times (33 + 3)) \\
&:= 4 + ((4 + 4) \times ((44 - 4/4)^{(4+4)/4})) \\
&:= (55 - 5/5) \times ((5 \times 55) - 5/5) \\
&:= 6 \times (((6 \times ((6 \times 66) + 6) + 6)) + 6) + 6 \\
&:= (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) - ((7 + 7)/7) \\
&:= ((88 + 8)/8) + (88 \times ((88 - 8) + 88)) \\
&:= (9 + 9) \times ((9 \times (9 \times 9 + 9)) + ((99 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14797 &:= 1 + ((1 + 11) \times (1 + (11 \times (1 + 111)))) \\
&:= 2/2 + (2 \times (((2 \times 2 \times 22 - 2)^2) + 2)) \\
&:= 3^3 + ((3^{3 \times 3}) - (((33/3 + 3) + 3)^3)) \\
&:= ((44/4)^4) + ((4 \times (44 - 4)) - 4) \\
&:= 5/5 + ((55 - 5/5) \times ((5 \times 55) - 5/5)) \\
&:= ((6 - 6/6)^6) + (6 \times (6 - ((6 + 6) \times (6 + 6)))) \\
&:= (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) - 7/7 \\
&:= ((88 + 8 + 8)/8) + (88 \times ((88 - 8) + 88)) \\
&:= (9 \times (9 \times ((99 + (9 \times 9)) + 9))) - (((9 + 9)/9)^9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14798 &:= 1 + (1 + ((1 + 11) \times (1 + (11 \times (1 + 111)))))) \\
&:= 2 + (2 \times (((2 \times 2 \times 22 - 2)^2) + 2)) \\
&:= 3 + (((3^3 \times (33 + 3)) - 3/3) + ((3^3 - 3)^3)) \\
&:= 4/4 + (((44/4)^4) - 4) + (4 \times (44 - 4)) \\
&:= (5 \times 5^5) - ((55 \times (5 + 5 + 5)) + ((5 + 5)/5)) \\
&:= (6/6 + 6) \times (((6 + 6)/6)^{66/6}) + 66 \\
&:= 7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7) \\
&:= (8 - 8/8) \times ((88 \times (8 + 8 + 8)) + ((8 + 8)/8)) \\
&:= (99 - 9/9) \times ((9 \times (9 + 9)) - (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14799 &:= 1 + (1 + (1 + ((1 + 11) \times (1 + (11 \times (1 + 111)))))) \\
&:= 2 + ((2 \times (((2 \times 2 \times 22 - 2)^2) + 2)) + 2/2) \\
&:= 3 + ((3^3 \times (33 + 3)) + ((3^3 - 3)^3)) \\
&:= ((44/4)^4) + ((4 \times (44 - 4)) - ((4 + 4)/4)) \\
&:= (5 \times 5^5) - ((55 \times (5 + 5 + 5)) + 5/5) \\
&:= (666/6) + (6 \times (6 \times ((6 \times 66) + 6) + 6)) \\
&:= 7/7 + (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) \\
&:= 8 + (((88 \times ((88 - 8) + 88)) - 8/8) + 8) \\
&:= 9/9 + ((99 - 9/9) \times ((9 \times (9 + 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14800 &:= (111/(1 + 1 + 1)) \times (((1 + 1) \times (11 - 1))^{1+1}) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) + 2) + 2 \\
&:= ((3 + 3) \times 3^3) + (((33/3)^{3/3+3}) - 3) \\
&:= 4 \times ((44 \times ((4 \times (4 \times 4 + 4)) + 4)) + 4) \\
&:= (5 \times 5^5) - (55 \times (5 + 5 + 5)) \\
&:= ((6 \times 6) + 6/6) \times (((6 \times 66) - ((6 + 6)/6)) + 6) \\
&:= ((7 + 7)/7) + (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) \\
&:= 8 + ((88 \times ((88 - 8) + 88)) + 8) \\
&:= (99/9 + 9) \times ((9 \times (9 \times 9)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14801 &:= ((1 + (1 + 111)) \times ((11 \times (1 + 11)) - 1)) - (1 + 1) \\
&:= 2/2 + (2 \times (((2 \times 2 \times 22 - 2)^2) + 2) + 2) \\
&:= (((3^3 \times 3) - 3)/3) + (3 \times (((33/3 + 3)^3) + 3)) \\
&:= ((44/4)^4) + (4 \times (44 - 4)) \\
&:= 5 + ((55 - 5/5) \times ((5 \times 55) - 5/5)) \\
&:= (((6 \times 6) - 6/6) + 6) \times ((6 \times (66 - 6)) + 6/6) \\
&:= (((77 + 7)/7) + 7) \times (((7 + 7)/7) + 777) \\
&:= 8 + (((88 \times ((88 - 8) + 88)) + 8/8) + 8) \\
&:= 9/9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14802 &:= ((1 + (1 + 111)) \times ((11 \times (1 + 11)) - 1)) - 1 \\
&:= 2 + (2 \times (((2 \times 2 \times 22 - 2)^2) + 2) + 2) \\
&:= 3 + (((3^3 \times (33 + 3)) + ((3^3 - 3)^3)) + 3) \\
&:= 4/4 + (((44/4)^4) + (4 \times (44 - 4))) \\
&:= (5 \times 5^5) + (((5 + 5)/5) - (55 \times (5 + 5 + 5))) \\
&:= 6 \times (((6/6 + 6)^{6 - (6+6)/6}) + 66) \\
&:= 7 + (((77/7)^{77/7 - 7} + 77) + 77) \\
&:= 8 + (((88 \times ((88 - 8) + 88)) + ((8 + 8)/8)) + 8) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 99)) - (999/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14803 &:= (1 + (1 + 111)) \times ((11 \times (1 + 11)) - 1) \\
&:= (22/2) + (2 \times ((2 \times 2 \times 22 - 2)^2)) \\
&:= ((3 + 3) \times 3^3) + ((33/3)^{3/3+3}) \\
&:= ((4 + 4)/4) + (((44/4)^4) + (4 \times (44 - 4))) \\
&:= 5 + ((5 \times 5^5) - ((55 \times (5 + 5 + 5)) + ((5 + 5)/5))) \\
&:= 6 + ((6 \times (6 - ((6 + 6) \times (6 + 6)))) + ((6 - 6/6)^6)) \\
&:= 7 + ((7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) - ((7 + 7)/7)) \\
&:= 8 + ((88 \times ((88 - 8) + 88)) + (88/8)) \\
&:= (9 \times (9 + 9)) + ((99/9)^{(9 \times 9 - 9)/(9 + 9)})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14804 &:= 1 + ((1 + (1 + 111)) \times ((11 \times (1 + 11)) - 1)) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) + 2) + 2) \\
&:= ((3^3 - 3/3)^3) - (33 \times ((3 \times 3^3) + 3)) \\
&:= 4 + (4 \times ((44 \times ((4 \times (4 \times 4 + 4)) + 4)) + 4)) \\
&:= 5 + ((5 \times 5^5) - ((55 \times (5 + 5 + 5)) + 5/5)) \\
&:= 6 + ((6/6 + 6) \times (((6 + 6)/6)^{66/6} + 66)) \\
&:= 7 + ((7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) - 7/7) \\
&:= 8 + ((88 \times ((88 - 8) + 88)) + ((88 + 8)/8)) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 99)) - (9/9 + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14805 &:= (11 \times (1 + (1 + ((1 + 11) \times (1 + 11)))) - 1) \\
&:= 2 + (2 \times ((2 \times 2 \times 22 - 2)^2)) + (22/2) \\
&:= 3 \times ((3^3 \times (((3 + 3)^3) - 33)) - (3 + 3)) \\
&:= 4 + (((44/4)^4) + (4 \times (44 - 4))) \\
&:= 5 + ((5 \times 5^5) - (55 \times (5 + 5 + 5))) \\
&:= 6 + ((6 \times (6 \times (((6 \times 66) + 6) + 6))) + 666/6) \\
&:= 7 + (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) \\
&:= ((8 \times 88) + 8/8) \times (((88 + 8 + 8)/8) + 8) \\
&:= ((9 + 9) \times ((9 \times (9 \times 9)) + 99)) - 99
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14806 &:= 11 \times (1 + (1 + ((1 + 11) \times (1 + 11)))) \\
&:= 22 \times (((22 + 2 + 2)^2) - (2/2 + 2)) \\
&:= 3 + (((33/3)^{3/3+3}) + ((3 + 3) \times 3^3)) \\
&:= (4 \times 44) + (((44/4)^4) - 44/4) \\
&:= 5 + (((55 - 5/5) \times ((5 \times 55) - 5/5)) + 5) \\
&:= ((66 + 66)/6) \times ((666 + 6/6) + 6) \\
&:= 7 + ((7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) + 7/7) \\
&:= 8 + ((8 - 8/8) \times ((88 \times (8 + 8 + 8)) + ((8 + 8)/8))) \\
&:= 9/9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 99)) - 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14807 &:= 1 + (11 \times (1 + (1 + ((1 + 11) \times (1 + 11)))))) \\
&:= (22/2) + (2 \times (((2 \times 2 \times 22 - 2)^2) + 2)) \\
&:= 3 + (((3^3 - 3/3)^3) - (33 \times ((3 \times 3^3) + 3))) \\
&:= (4 \times 44) + (((4 - 44)/4) + ((44/4)^4)) \\
&:= (((5 + 5)/5) + 5^5) - (5 \times (5 \times (5 \times 5 + 55))) \\
&:= (66 + 6/6) \times (((6 \times 6 \times 6) - 6/6) + 6) \\
&:= (((777 + 77)/7)^{(7+7)/7}) - 77 \\
&:= (8/8 + 8 + 8) \times (888 - (8/8 + 8 + 8)) \\
&:= 9 + ((99 - 9/9) \times ((9 \times (9 + 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14808 &:= (1 + 11) \times (1 + (1 + (11 \times (1 + 11)))) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) + (2 \times (2 + 2))) \\
&:= 3 + ((3 \times (333 - (3 + 3))) + ((3^3 - 3)^3)) \\
&:= ((4 \times 4 + 4) + 4) \times (((4/4 + 4)^4) - (4 + 4)) \\
&:= ((5 \times 5) - 5/5) \times (((5^5 + 5 + 5)/5) - (5 + 5)) \\
&:= (((6 \times 66) + 6) \times ((6 \times 6) + 6/6)) - 66 \\
&:= 7 + (((77 + 7)/7) + 7) \times (((7 + 7)/7) + 777) \\
&:= 8 + (((88 \times ((88 - 8) + 88)) + 8) + 8) \\
&:= ((99/9) \times ((9 \times (9 \times (9 + 9)))) - (999/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14809 &:= 1 + ((1 + 11) \times (1 + (1 + (11 \times (1 + 11)))))) \\
&:= ((22/2)^{2+2}) + (2 \times (2 \times (2 \times 22 - 2))) \\
&:= 3 + (((33/3)^{3/3+3}) + ((3 + 3) \times 3^3)) + 3) \\
&:= (4 \times 44) + (((44/4)^4) - (4 + 4)) \\
&:= (5/5 - (55 + 5)) \times ((5 \times (5 - 55)) - 5/5) \\
&:= ((6 - 6/6)^6) - ((6 + 6) \times (((6 + 6)/6) + 66)) \\
&:= (77/7) + (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) \\
&:= 8 + (((88 \times ((88 - 8) + 88)) + 8/8) + 8) + 8) \\
&:= 9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) + (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14810 &:= ((1 + 1 + 11)^{1+1}) + (11^{1+1+1+1}) \\
&:= 22 + (2 \times (((2 \times 2 \times 22 - 2)^2) - 2)) \\
&:= ((3^3 - 3)^3) + ((3 \times (333 - 3)) - (3/3 + 3)) \\
&:= 4 + (((44/4)^4) - 44/4) + (4 \times 44) \\
&:= 5 + (((5 \times 5^5) - (55 \times (5 + 5 + 5))) + 5) \\
&:= (((6 \times 66) + 6) \times ((6 \times 6) + 6/6)) - (((6 + 6)/6)^6) \\
&:= ((77 + 7)/7) + (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7)) \\
&:= 8 + (((88 \times ((88 - 8) + 88)) + ((8 + 8)/8)) + 8) + 8) \\
&:= (((99/9 + 9) + 9) \times (((9 + 9)/9)^9) - 9/9) - 9
\end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14811 &:= 1 + (((1 + 1 + 11)^{1+1}) + (11^{1+1+1+1})) \\
 &:= 2 + ((2 \times (2 \times (2 \times 22 - 2))) + ((22/2)^{2+2})) \\
 &:= 3 \times (((33/3 + 3) + 3)^3) - 3^3 \\
 &:= (4 \times 44) + (((44/4)^4) - ((4 + 4)/4 + 4)) \\
 &:= (55/5) + ((5 \times 5^5) - (55 \times (5 + 5 + 5))) \\
 &:= 666 + ((6 \times (6 \times (6 \times 66))) - (666/6)) \\
 &:= (777/7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) \\
 &:= 8 + (((88 \times ((88 - 8) + 88)) + (88/8)) + 8) \\
 &:= (9 \times ((9 \times (9 \times 9) - 9)) + 999) - ((99 + 9)/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14816 &:= ((1 + 1)^{11}) + (((1 + (1 + 111))^{1+1}) - 1) \\
 &:= 2 + ((2 \times ((2 \times 2 \times 22 - 2)^2)) + 22) \\
 &:= 3 + (((3 \times (333 - 3)) - 3/3) + ((3^3 - 3)^3)) \\
 &:= (4 \times 44) + (((44/4)^4) - 4/4) \\
 &:= (5 \times ((5 \times 5 + 5) + 5)) + ((55/5)^{5-5/5}) \\
 &:= ((6 - 6/6)^6) - (((66 \times (6 + 6)) + (66/6)) + 6) \\
 &:= 7 + ((7 \times ((7 \times ((7 \times (7 \times 7) - 7)) + 7)) + 7)) + (77/7) \\
 &:= ((8/8 + 8 + 8) \times (888 - (8 + 8))) - 8 \\
 &:= 9 + (((99 - 9/9) \times (9 \times (9 + 9)) - (99/9))) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14812 &:= 1 + (1 + (((1 + 1 + 11)^{1+1}) + (11^{1+1+1+1}))) \\
 &:= 2 \times ((2^{2+2} - 2) \times ((22 + 2/2)^2)) \\
 &:= (3 \times 333) + (((3^3 - 3)^3) - 33/3) \\
 &:= (4 \times 44) + (((44/4)^4) - (4/4 + 4)) \\
 &:= (5 \times (55 \times 55)) - ((5^5 + 5)/(5 + 5)) \\
 &:= 6 + (((66 + 66)/6) \times ((666 + 6/6) + 6)) \\
 &:= 7 + ((7 \times ((7 \times ((7 \times (7 \times 7) - 7)) + 7)) + 7)) + 7 \\
 &:= 888 + (((888 - 8)/8) + 8)^{(8+8)/8} \\
 &:= ((99/9) + (9 \times 9)) \times ((9 \times (9 + 9)) - 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14817 &:= ((1 + 1)^{11}) + ((1 + (1 + 111))^{1+1}) \\
 &:= (2^{22/2}) + (((222/2) + 2)^2) \\
 &:= 3 + ((3 \times (333 - 3)) + ((3^3 - 3)^3)) \\
 &:= (4 \times 44) + ((44/4)^4) \\
 &:= 5 + ((5 \times (55 \times 55)) - ((5^5 + 5)/(5 + 5))) \\
 &:= (6 \times (6 \times (6 \times (66 + 6)))) - (((6 \times 6/(6 + 6))^6) + 6) \\
 &:= (77 \times 77) + ((7/7 + 7) \times (7777/7)) \\
 &:= 88 + (((88/8)^{8 \times 8/(8+8)}) + 88) \\
 &:= (99/9) \times ((9 \times (9 \times (9 + 9))) - (999/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14813 &:= 11 + (((1 + (1 + 111)) \times ((11 \times (1 + 11)) - 1)) - 1) \\
 &:= 22 + ((2 \times ((2 \times 2 \times 22 - 2)^2)) - 2/2) \\
 &:= ((3^3 - 3)^3) + ((3 \times (333 - 3)) - 3/3) \\
 &:= (4 \times 44) + (((44/4)^4) - 4) \\
 &:= ((5 - 5^5)/(5 + 5)) + (5 \times (55 \times 55)) \\
 &:= 6 + ((66 + 6/6) \times (((6 \times 6 \times 6) - 6/6) + 6)) \\
 &:= ((7/7 - 77) \times (7/7 - ((7 + 7) \times (7 + 7)))) - 7 \\
 &:= 8 + (((8 \times 88) + 8/8) \times (((88 + 8 + 8)/8) + 8)) \\
 &:= (9 \times ((9 \times (9 \times 9) - 9)) + 999) - (9/9 + 9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14818 &:= 1 + (((1 + 1)^{11}) + ((1 + (1 + 111))^{1+1})) \\
 &:= 22 + (2 \times (((2 \times 2 \times 22 - 2)^2) + 2)) \\
 &:= ((3^3 - 3)^3) + (((3 \times 3) + 3/3)^3) - (3 + 3) \\
 &:= 4/4 + (((44/4)^4) + (4 \times 44)) \\
 &:= (55 \times (5 \times 55 - 5)) - (((5 + 5)/5)^5) \\
 &:= (((666 + 66)/6)^{(6+6)/6}) - 66 \\
 &:= (7 \times (((((7 + 7 + 7)/7)^7) - 77) + 7)) - 7/7 \\
 &:= ((8 \times 8) - ((8 + 8)/8)) \times ((888/8) + (8 \times (8 + 8))) \\
 &:= 9 + (((99/9 + 9) \times (9 \times (9 \times 9)) + (99/9))) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14814 &:= 11 + ((1 + (1 + 111)) \times ((11 \times (1 + 11)) - 1)) \\
 &:= 22 + (2 \times ((2 \times 2 \times 22 - 2)^2)) \\
 &:= 3 \times ((3^3 \times (((3 + 3)^3) - 33)) - 3) \\
 &:= 4/4 + (((44/4)^4) - 4) + (4 \times 44) \\
 &:= (55 \times (5 \times 55 - 5)) - ((55/5) + 5 \times 5) \\
 &:= ((6 + 6) \times ((6 \times 6 \times 6) - 6)) - 666 \\
 &:= 7 + (((777 + 77)/7)^{(7+7)/7}) - 77 \\
 &:= (((8 + 8)/8) + 8) \times (888 - (8/8 + (8 \times 8))) \\
 &:= (9 \times ((9 \times (9 \times 9) - 9)) + 999) - 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14819 &:= 1 + (1 + (((1 + 1)^{11}) + ((1 + (1 + 111))^{1+1}))) \\
 &:= 2 + (((222/2) + 2)^2) + (2^{22/2}) \\
 &:= (3 \times 333) + (((3^3 - 3)^3) - (3/3 + 3)) \\
 &:= (4 \times 44) + (((44/4)^4) + ((4 + 4)/4)) \\
 &:= (5 \times (5^5 - 5)) + ((5^5 - 5/5)/(5/5 - 5)) \\
 &:= ((66 - 6/6) \times ((6 \times 6 \times 6) + 6)) - 6/6 \\
 &:= 7 \times (((((7 + 7 + 7)/7)^7) - 77) + 7) \\
 &:= (8 - 8/8) \times (((88/8) + 8) \times (888/8)) + 8 \\
 &:= ((99/9 + 9) + 9) \times (((9 + 9)/9)^9) - 9/9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14815 &:= ((1 + 1)^{11}) + (((1 + (1 + 111))^{1+1}) - (1 + 1)) \\
 &:= 22 + ((2 \times ((2 \times 2 \times 22 - 2)^2)) + 2/2) \\
 &:= 3/3 + ((3 \times (333 - 3)) + ((3^3 - 3)^3)) \\
 &:= (4 \times 44) + (((44/4)^4) - ((4 + 4)/4)) \\
 &:= (5 \times 5^5) + ((5 + 5 + 5) \times (5/5 - 55)) \\
 &:= ((6 - 6/6)^6) - (((66 \times (6 + 6)) + 6) + 6) + 6 \\
 &:= 77 + ((7 \times (7 \times ((7 \times (7 \times 7) - 7)) + 7))) - (77/7) \\
 &:= 8 + ((8/8 + 8 + 8) \times (888 - (8/8 + 8 + 8))) \\
 &:= 9/9 + ((9 \times (9 \times (9 \times 9) - 9)) + 999) - 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14820 &:= (1 + 11) \times (1 + (1 + (1 + (11 \times (1 + 111)))))) \\
 &:= 2 + ((2 \times (((2 \times 2 \times 22 - 2)^2) + 2)) + 22) \\
 &:= 3 \times (((33/3 + 3) + 3)^3) + 3^3 \\
 &:= (4^4 + 4) \times (((4^4 - 44)/4) + 4) \\
 &:= ((5 \times 5) + 5/5) \times ((5^5/5) - 55) \\
 &:= (66 - 6/6) \times ((6 \times 6 \times 6) + 6) \\
 &:= (7/7 - 77) \times (7/7 - ((7 + 7) \times (7 + 7))) \\
 &:= (((888 + 88)/8)^{(8+8)/8}) - (8 \times 8) \\
 &:= ((9/9 + 9) + 9) \times ((9 \times 99) - (999/9))
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14821 &:= 1 + ((1 + 11) \times (1 + (1 + (1 + (11 \times (1 + 111)))))) \\
&:= (222/2)^2 + (((2 \times (22 + 2)) + 2)^2) \\
&:= ((3^3 - 3)^3) + (((3 \times 3) + 3/3)^3) - 3 \\
&:= 4 + (((44/4)^4) + (4 \times 44)) \\
&:= 5 \times 5 + ((55 - 5/5) \times ((5 \times 55) - 5/5)) \\
&:= ((6 - 6/6)^6) - (((66 \times (6 + 6)) + 6) + 6) \\
&:= 7/7 + ((7/7 - 77) \times (7/7 - ((7 + 7) \times (7 + 7)))) \\
&:= ((8/8 + 8 + 8) \times (888 - 88/8)) - 88 \\
&:= 9 + (((99/9) + (9 \times 9)) \times ((9 \times (9 + 9)) - 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14822 &:= 1 + (1 + ((1 + 11) \times (1 + (1 + (1 + (11 \times (1 + 111))))))) \\
&:= 22 + (2 \times (((2 \times 2 \times 22 - 2)^2) + 2) + 2) \\
&:= (3 \times 333) + (((3^3 - 3)^3) - 3/3) \\
&:= 4 + (((44/4)^4) + (4 \times 44)) + 4/4 \\
&:= 5 + (((5 \times (55 \times 55)) - ((5^5 + 5)/(5 + 5))) + 5) \\
&:= ((6 - 6/6)^6) - ((66 \times (6 + 6)) + (66/6)) \\
&:= 7 + (((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - (77/7)) + 77) \\
&:= ((8/8 + 8 + 8) \times (888 - (8 + 8))) - ((8 + 8)/8) \\
&:= (9 \times ((9 \times (9 \times 9) - 9) + 999)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14823 &:= ((1 + (11^{1+1}))^{1+1}) - ((1 + (11^{1+1})) / (1 + 1)) \\
&:= 2 + (((2 \times (22 + 2)) + 2)^2) + ((222/2)^2) \\
&:= 3 \times (3^3 \times ((3 + 3)^3) - 33) \\
&:= 4 + (((44/4)^4) + (4 \times 44)) + ((4 + 4)/4) \\
&:= ((5 - (5 + 5)/5)^5) \times ((55 + 5/5) + 5) \\
&:= (6 \times (6 \times (6 \times (66 + 6)))) - ((6 \times 6 / (6 + 6))^6) \\
&:= (((7 + 7)/7)^{7+7}) - ((777 + 777) + 7) \\
&:= ((8/8 + 8 + 8) \times (888 - (8 + 8))) - 8/8 \\
&:= 9 \times ((9 \times ((9 \times 9) - 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14824 &:= (111 - (1 + 1)) \times (1 + (1 + (1 + (1 + (11 \times (1 + 11)))))) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) + (2^{2+2})) \\
&:= ((3^3 - 3)^3) + (((3 \times 3) + 3/3)^3) \\
&:= (44 \times (((4 - 4/4)^4) + 4^4)) - 4 \\
&:= (55 \times (5 \times 55 - 5)) - ((5 \times 5) + 5/5) \\
&:= (((6 + 6)/6) + 66) \times ((6 \times 6 \times 6) + ((6 + 6)/6)) \\
&:= 77 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - ((7 + 7)/7)) \\
&:= (8/8 + 8 + 8) \times (888 - (8 + 8)) \\
&:= 9/9 + (9 \times ((9 \times (9 \times 9) - 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14825 &:= 1 + ((111 - (1 + 1)) \times (1 + (1 + (1 + (1 + (11 \times (1 + 11))))))) \\
&:= ((22/2)^{2+2}) + (2 \times (2 \times (2 \times 22 + 2))) \\
&:= 3 + (((3^3 - 3)^3) - 3/3) + (3 \times 333) \\
&:= 4 + (((44/4)^4) + (4 \times 44)) + 4 \\
&:= 5 \times (5^5 - (5 \times ((5 + 5)/5^5))) \\
&:= 6 + (((66 - 6/6) \times ((6 \times 6 \times 6 + 6) + 6)) - 6/6) \\
&:= 77 + ((7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) - 7/7) \\
&:= 8/8 + ((8/8 + 8 + 8) \times (888 - (8 + 8))) \\
&:= ((9 + 9)/9) + (9 \times ((9 \times (9 \times 9) - 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14826 &:= (1 + ((1 + 1 + 11) \times (1 + ((1 + 111)^{1+1})))) / 11 \\
&:= (22 \times (((22 + 2 + 2)^2) - 2) - 2) \\
&:= 3 + ((3 \times 333) + ((3^3 - 3)^3)) \\
&:= 4 + (((44/4)^4) + (4 \times 44)) + 4/4 + 4 \\
&:= 5/5 + (5 \times (5^5 - (5 \times ((5 + 5)/5^5)))) \\
&:= 6 + ((66 - 6/6) \times ((6 \times 6 \times 6 + 6) + 6)) \\
&:= 77 + (7 \times (7 \times ((7 \times ((7 \times 7) - 7)) + 7))) \\
&:= ((8 + 8)/8) + ((8/8 + 8 + 8) \times (888 - (8 + 8))) \\
&:= 9 + ((99/9) \times ((9 \times (9 \times 9)) - (999/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14827 &:= 11 + (((1 + 1)^{11}) + (((1 + (1 + 111))^{1+1}) - 1)) \\
&:= (22 \times (((22 + 2 + 2)^2) - 2) - 2/2) \\
&:= 3 + (((3 \times 3) + 3/3)^3) + ((3^3 - 3)^3) \\
&:= (44 \times (((4 - 4/4)^4) + 4^4)) - 4/4 \\
&:= ((5 + 5)/5) + (5 \times (5^5 - (5 \times ((5 + 5)/5^5)))) \\
&:= ((6 - 6/6)^6) - ((66 \times (6 + 6)) + 6) \\
&:= 7 + ((7/7 - 77) \times (7/7 - ((7 + 7) \times (7 + 7)))) \\
&:= 8 + ((8 - 8/8) \times (((88/8) + 8) \times (888/8) + 8)) \\
&:= 9 + (((99/9 + 9) \times ((9 \times (9 \times 9)) + (99/9))) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14828 &:= 11 + (((1 + 1)^{11}) + ((1 + (1 + 111))^{1+1})) \\
&:= 22 \times (((22 + 2 + 2)^2) - 2) \\
&:= ((33/3) + 33) \times ((333 + 3/3) + 3) \\
&:= 44 \times (((4 - 4/4)^4) + 4^4) \\
&:= 5 + (((5 - (5 + 5)/5)^5) \times ((55 + 5/5) + 5)) \\
&:= 6/6 + (((6 - 6/6)^6) - ((66 \times (6 + 6)) + 6)) \\
&:= (((7 + 7)/7)^7) + (((7 \times 7) - 7) \times (7 \times 7 \times 7 + 7)) \\
&:= 8 + (((888 + 88)/8)^{(8+8)/8}) - (8 \times 8) \\
&:= 9 + (((99/9 + 9) + 9) \times (((9 + 9)/9)^9) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14829 &:= ((1 + (11^{1+1}))^{1+1}) - ((111 - 1) / (1 + 1)) \\
&:= 2/2 + (22 \times (((22 + 2 + 2)^2) - 2)) \\
&:= 3 + (((3 \times 333) + (3^3 - 3)^3) + 3) \\
&:= 444 + (((44/4)^4) - 4^4) \\
&:= 5 + ((55 \times (5 \times 55 - 5)) - ((5 \times 5) + 5/5)) \\
&:= 6 + ((6 \times (6 \times (6 \times (66 + 6)))) - ((6 \times 6 / (6 + 6))^6)) \\
&:= (((7 + 7)/7)^{7+7}) - (((7 + 7) \times 777) + 7)/7 \\
&:= (8 \times 888) + ((88 \times 88) - ((88/8) + 8)) \\
&:= 9 + (((9/9 + 9) + 9) \times ((9 \times 99) - (999/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14830 &:= 1 + (((1 + (11^{1+1}))^{1+1}) - ((111 - 1) / (1 + 1))) \\
&:= 2 + (22 \times (((22 + 2 + 2)^2) - 2)) \\
&:= 3 + (((3 \times 3) + 3/3)^3) + ((3^3 - 3)^3) + 3 \\
&:= 4/4 + (((44/4)^4) - 4^4) + 444 \\
&:= 5 + (5 \times (5^5 - (5 \times ((5 + 5)/5^5)))) \\
&:= ((6 - 6/6)^6) - (((6 \times 6 / (6 + 6))^6) + 66) \\
&:= (((7 + 7)/7)^{7+7}) - (777 + 777) \\
&:= 8 + (((8/8 + 8 + 8) \times (888 - (8 + 8))) - ((8 + 8)/8)) \\
&:= (((9 + 9)/9)^9) \times ((99/9 + 9) + 9) - (9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14831 &:= 11 + ((1 + 11) \times (1 + (1 + (1 + (11 \times (1 + 111)))))) \\
&:= 2 + ((22 \times (((22 + 2 + 2)^2) - 2)) + 2/2) \\
&:= ((3^3 - 3)^3) + ((3 \times (333 + 3)) - 3/3) \\
&:= 4 + ((44 \times (((4 - 4/4)^4) + 4^4)) - 4/4) \\
&:= 5 + ((5 \times (5^5 - (5 \times ((5 + 5)/5)^5))) + 5/5) \\
&:= ((6 - 6/6)^6) - ((66 \times (6 + 6)) + ((6 + 6)/6)) \\
&:= 7 \times 7 + (((77 + 7)/7) + 7) \times (777 + 7/7) \\
&:= 8 + (((8/8 + 8 + 8) \times (888 - (8 + 8))) - 8/8) \\
&:= 9 + (9 \times ((9 \times (9 \times 9) - 9)) + 999) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14832 &:= (1 + 11) \times (1 + (1 + (1 + (1 + (11 \times (1 + 111)))))) \\
&:= 2 + ((22 \times (((22 + 2 + 2)^2) - 2)) + 2) \\
&:= 3 \times ((3^3 \times (((3 + 3)^3) - 33)) + 3) \\
&:= 4 + (44 \times (((4 - 4/4)^4) + 4^4)) \\
&:= ((5 \times 5) - 5/5) \times (((5^5 - (5 + 5))/5) - 5) \\
&:= 6 \times (((6 \times (6 \times 66) + 6)) - 6) + 66 \\
&:= 7 + (((7 \times (7 \times ((7 \times (7 \times 7) - 7)) + 7))) - 7/7) + 77 \\
&:= 8 + ((8/8 + 8 + 8) \times (888 - (8 + 8))) \\
&:= 9 + (9 \times ((9 \times (9 \times 9) - 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14833 &:= 1 + ((1 + 11) \times (1 + (1 + (1 + (1 + (11 \times (1 + 111)))))) \\
&:= ((22/2)^{2+2}) + (2 \times (2 \times (2 \times (22 + 2)))) \\
&:= 3 \times 3 + (((3 \times 3) + 3/3)^3) + ((3^3 - 3)^3) \\
&:= ((44/4)^4) + (4 \times (44 + 4)) \\
&:= (55 \times (5 \times 55 - 5)) - ((55 + 5)/5 + 5) \\
&:= ((6 - 6/6)^6) - (66 \times (6 + 6)) \\
&:= 7 + ((7 \times (7 \times ((7 \times (7 \times 7) - 7)) + 7))) + 77 \\
&:= (8 - 8/8) \times (((88 \times (8 + 8 + 8)) - 8/8) + 8) \\
&:= ((9/9 + (9 \times 9)) + 9) \times ((9 \times (9 + 9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14834 &:= ((1 + (11^{1+1}))^{1+1}) - (((11 - 1)^{1+1})/(1 + 1)) \\
&:= (2 \times (((2 \times 2 \times 22 - 2)^2) + 22)) - 2 \\
&:= (33/3) + ((3 \times 333) + (3^3 - 3^3)) \\
&:= 4/4 + (((44/4)^4) + (4 \times (44 + 4))) \\
&:= (55 \times (5 \times 55 - 5)) - (55/5 + 5) \\
&:= 6/6 + (((6 - 6/6)^6) - (66 \times (6 + 6))) \\
&:= 7 + (((7/7 - 77) \times (7/7 - ((7 + 7) \times (7 + 7)))) + 7) \\
&:= 8 + (((8/8 + 8 + 8) \times (888 - (8 + 8))) + ((8 + 8)/8)) \\
&:= (99/9) + (9 \times ((9 \times (9 \times 9) - 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14835 &:= (1 + (1 + 1 + 1 + 11)) \times (((11 - 1)^{1+1+1}) - 11) \\
&:= ((22/2)^{2+2}) + (((2^{2+2} - 2)^2) - 2) \\
&:= 3 + ((3 \times (333 + 3)) + ((3^3 - 3)^3)) \\
&:= 4^4 + (((4 - 4^4) + 4)/4) + ((44/4)^4) \\
&:= (55 \times (5 \times 55 - 5)) - (5 + 5 + 5) \\
&:= ((6 + 6)/6) + (((6 - 6/6)^6) - (66 \times (6 + 6))) \\
&:= (7 \times ((7 \times 77) - 7)) + (77777/7) \\
&:= 88/8 + ((8/8 + 8 + 8) \times (888 - (8 + 8))) \\
&:= ((99 + 9)/9) + (9 \times ((9 \times (9 \times 9) - 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14836 &:= (11^{1+1+1+1}) + (((1 + 1 + 1 + 11)^{1+1}) - 1) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) + 22) \\
&:= (33 \times (3 + 3)) + (((33/3)^{3/3+3}) - 3) \\
&:= 4 + ((44 \times (((4 - 4/4)^4) + 4^4)) + 4) \\
&:= 5/5 + ((55 \times (5 \times 55 - 5)) - (5 + 5 + 5)) \\
&:= 6 + (((6 - 6/6)^6) - (((6 \times 6)/(6 + 6))^6) + 66) \\
&:= ((7 + 7)/7) \times ((7 \times (77 \times (7 + 7))) - (((7 + 7)/7)^7)) \\
&:= (8 \times 888) + ((88 \times 88) - ((88 + 8)/8)) \\
&:= (((9 + 9)/9)^{9-9/9}) + (9 \times (9 \times (99 + (9 \times 9))))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14837 &:= (11^{1+1+1+1}) + ((1 + 1 + 1 + 11)^{1+1}) \\
&:= ((22/2)^{2+2}) + ((2^{2+2} - 2)^2) \\
&:= (3 \times (((33/3 + 3) + 3)^3) + 33) - 3/3 \\
&:= 4 + (((44/4)^4) + (4 \times (44 + 4))) \\
&:= 5 + (((5 \times 5) - 5/5) \times (((5^5 - (5 + 5))/5) - 5)) \\
&:= ((6 \times 6) + 6/6) \times (((6 \times 66) - 6/6) + 6) \\
&:= ((7 + 7) \times (7 + 7)) + ((77/7)^{77/7-7}) \\
&:= (8 \times 888) + ((88 \times 88) - 88/8) \\
&:= (9 \times ((9 + 9) \times 99) - 9) - (9999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14838 &:= 1 + ((11^{1+1+1+1}) + ((1 + 1 + 1 + 11)^{1+1})) \\
&:= 2 + (2 \times (((2 \times 2 \times 22 - 2)^2) + 22)) \\
&:= 3 \times (((33/3 + 3) + 3)^3) + 33 \\
&:= 4 + (((44/4)^4) + (4 \times (44 + 4))) + 4/4 \\
&:= (55 \times (5 \times 55 - 5)) - ((55 + 5)/5) \\
&:= 6 + (6 \times (((6 \times (6 \times 66) + 6)) - 6) + 66) \\
&:= (7 \times (((7 + 7 + 7)/7)^7) - (7 \times 7)) - (((7 + 7)/7)^7) \\
&:= (8 \times 888) + ((88 \times 88) + ((8 - 88)/8)) \\
&:= (99 \times ((9 \times (9 + 9)) - (99/9))) - (999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14839 &:= 11 \times ((11^{1+1+1}) + ((1 + 1) \times (11 - 1 - 1))) \\
&:= 2 + (((22/2)^{2+2}) + ((2^{2+2} - 2)^2)) \\
&:= (33/3) \times (((33/3)^3) + (3 \times (3 + 3))) \\
&:= (44/4) + (44 \times (((4 - 4/4)^4) + 4^4)) \\
&:= (55 \times (5 \times 55 - 5)) - (55/5) \\
&:= 6 + (((6 - 6/6)^6) - (66 \times (6 + 6))) \\
&:= 77 + ((777 \times (((77 + 7)/7) + 7)) - 7/7) \\
&:= (8 \times 888) + ((88 \times 88) - (8/8 + 8)) \\
&:= (((9 + 9)/9)^9) \times ((99/9 + 9) + 9) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14840 &:= ((1 + (11^{1+1}))^{1+1}) - ((1 + 1) \times (11 + 11)) \\
&:= 2 \times (((2 \times 2 \times 22 - 2)^2) + 22) + 2 \\
&:= (3 \times (33 \times 3^3)) + ((3^3 - (3/3 + 3))^3) \\
&:= (4 + 4) \times ((44 \times 44) - ((4 - 4/4)^4)) \\
&:= (55 \times (5 \times 55 - 5)) - (5 + 5) \\
&:= 6 + (((6 - 6/6)^6) - (66 \times (6 + 6))) + 6/6 \\
&:= 77 + (777 \times (((77 + 7)/7) + 7)) \\
&:= (8 - 8/8) \times ((88 \times (8 + 8 + 8)) + 8) \\
&:= 99 + (((9 + 9) \times (9 \times (9 \times 9 + 9)) + 9) - 9/9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 14841 &:= (11^{1+1+1+1}) + ((1+1) \times ((11-1)^{1+1})) \\ &:= 222 + (((22/2)^{2+2}) - 22) \\ &:= 3 + (3 \times (((33/3+3) + 3)^3) + 33) \\ &:= 4 + (((44/4)^4) + (4 \times (44+4))) + 4 \\ &:= 5/5 + ((55 \times (5 \times 55 - 5)) - (5+5)) \\ &:= 6 + (((6-6/6)^6) - (66 \times (6+6))) + ((6+6)/6) \\ &:= ((7 \times (7+7)) - 7/7) \times ((77-7/7) + 77) \\ &:= 8/8 + (((88 \times 88) - 8) + (8 \times 888)) \\ &:= 99 + ((9+9) \times ((9 \times (9 \times 9 + 9)) + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14842 &:= 1 + ((11^{1+1+1+1}) + ((1+1) \times ((11-1)^{1+1}))) \\ &:= 2 + (2 \times (((2 \times 2 \times 22 - 2)^2) + 22) + 2) \\ &:= 3 + (((33/3)^{3/3+3}) + (33 \times (3+3))) \\ &:= 4^4 + (((44/4)^4) - ((44/4) + 44)) \\ &:= ((5+5)/5) + ((55 \times (5 \times 55 - 5)) - (5+5)) \\ &:= ((6-6/6)^6) - (((666/6) + 666) + 6) \\ &:= 7 + ((77777/7) + (7 \times ((7 \times 77) - 7))) \\ &:= ((8+8)/8) + (((88 \times 88) - 8) + (8 \times 888)) \\ &:= (9/9 + (9 \times 9)) \times ((9/9 + 99) + (9 \times 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14843 &:= (11^{1+1+1+1}) + ((1+1) \times (1 + ((11-1)^{1+1}))) \\ &:= 2 + (((22/2)^{2+2}) - 22) + 222 \\ &:= 3 + (((3^3 - (3/3+3))^3) + (3 \times (33 \times 3^3))) \\ &:= (4^4 \times (((4^4 - (4+4))/4) - 4)) - (4/4 + 4) \\ &:= (55 \times (5 \times 55 - 5)) - (((5+5)/5) + 5) \\ &:= 6 + (((6 \times 6) + 6/6) \times (((6 \times 66) - 6/6) + 6)) \\ &:= (((777 - 7)/7) \times (((7+7)/7)^7) + 7) - 7 \\ &:= 8 + (((8/8 + 8 + 8) \times (888 - (8+8))) + (88/8)) \\ &:= 9 + ((9 \times (9 \times ((9 \times 9) - 9)) + 999) + (99/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14844 &:= (1+11) \times (1 + (1 + (1 + (1 + (11 \times (1 + 111)))))) \\ &:= 2 \times (((((2 \times 2 \times 22 - 2)^2) + 22) + 2) + 2) \\ &:= 3 + (3 \times (((33/3+3) + 3)^3) + 33) + 3 \\ &:= (4^4 \times (((4^4 - (4+4))/4) - 4)) - 4 \\ &:= (55 \times (5 \times 55 - 5)) - (5/5 + 5) \\ &:= 6 + ((6 \times (((6 \times (6 \times 66) + 6)) - 6) + 66)) + 6 \\ &:= 7 + (((77/7)^{77/7-7}) + ((7+7) \times (7+7))) \\ &:= (8 \times 888) + ((88 \times 88) - (8 \times 8/(8+8))) \\ &:= (999/9) + (((9+9) \times ((9 \times (9 \times 9 + 9)) + 9)) - 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14845 &:= ((1 + (11^{1+1}))^{1+1}) - ((1+1+1) \times (1+1+11)) \\ &:= 2 + (((((22/2)^{2+2}) - 22) + 222) + 2) \\ &:= (((3/3+3)^3) \times (((3^{3+3}) - 33)/3)) - 3 \\ &:= 44 + (((44/4)^4) + (4 \times (44-4))) \\ &:= (55 \times (5 \times 55 - 5)) - 5 \\ &:= 6 + (((6-6/6)^6) - (66 \times (6+6))) + 6 \\ &:= (7 \times ((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7) + 7) - ((7+7)/7) \\ &:= 8 + (((88 \times 88) - 88/8) + (8 \times 888)) \\ &:= (9 \times ((9+9) \times 99) - 9) - ((9999+9)/9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14846 &:= ((1 + (11^{1+1}))^{1+1}) - (1 + (111/(1+1+1))) \\ &:= (22 \times ((22+2+2)^2)) - (22+2+2) \\ &:= ((3+3)^3) + ((33/3) \times (((33/3)^3) - 3/3)) \\ &:= ((44/4)^4) + (((4+4)^4) + 4)/(4 \times 4 + 4) \\ &:= 5/5 + ((55 \times (5 \times 55 - 5)) - 5) \\ &:= 6 + (((6-6/6)^6) - (66 \times (6+6))) + 6/6 + 6 \\ &:= (7 \times (((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7) + 7)) - 7/7 \\ &:= (8 \times 888) + ((88 \times 88) - ((8+8)/8)) \\ &:= (9 \times ((9+9) \times 99) - 9) - 9999/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14847 &:= ((1 + (11^{1+1}))^{1+1}) - (111/(1+1+1)) \\ &:= 222 + (((22/2)^{2+2}) - (2^{2+2})) \\ &:= 3 \times (((((33/3+3) + 3)^3) + 33) + 3) \\ &:= (4^4 \times (((4^4 - (4+4))/4) - 4)) - 4/4 \\ &:= ((5+5)/5) + ((55 \times (5 \times 55 - 5)) - 5) \\ &:= (6/6+6) \times (((6 \times 6/(6+6))^{6/6+6}) - 66) \\ &:= 7 \times (((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7) + 7) \\ &:= (8 \times 888) + ((88 \times 88) - 8/8) \\ &:= (((9+9)/9)^9) \times ((99/9+9) + 9) - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14848 &:= ((1+1)^{11-1}) + (((1+1) \times (1+11))^{1+1+1}) \\ &:= 2 \times ((2^{2+2}) \times ((22^2 - 22) + 2)) \\ &:= ((3/3+3)^3) \times (((3^{3+3}) - 33)/3) \\ &:= 4^4 \times (((4^4 - (4+4))/4) - 4) \\ &:= (55 \times (5 \times 55 - 5)) - ((5+5)/5) \\ &:= ((6-6/6)^6) - ((666/6) + 666) \\ &:= ((7 - ((7+7)/7))^{7-7/7}) - 777 \\ &:= (8 \times 888) + (88 \times 88) \\ &:= (((9+9)/9)^9) \times ((99/9+9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14849 &:= ((1+11) \times ((11^{1+1+1}) - 1)) - 1111 \\ &:= (22 \times ((22+2+2)^2)) - (22+2/2) \\ &:= (3 \times ((3^3+3) \times (((3+3) \times 3^3) + 3))) - 3/3 \\ &:= 4^4 + (((44/4)^4) - (44+4)) \\ &:= (55 \times (5 \times 55 - 5)) - 5/5 \\ &:= 6 + (((6 \times 6) + 6/6) \times (((6 \times 66) - 6/6) + 6)) + 6 \\ &:= 7/7 + (((7 - ((7+7)/7))^{7-7/7}) - 777) \\ &:= 8/8 + ((8 \times 888) + (88 \times 88)) \\ &:= 9/9 + (((9+9)/9)^9) \times ((99/9+9) + 9) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14850 &:= (111-1) \times (1 + (1 + (1 + (11 \times (1 + 111)))) \\ &:= 22 \times (((22+2+2)^2) - 2/2) \\ &:= 3 \times ((3^3+3) \times (((3+3) \times 3^3) + 3)) \\ &:= 4/4 + (((44/4)^4) - (44+4)) + 4^4 \\ &:= 55 \times (5 \times 55 - 5) \\ &:= 66 \times (((6 \times 6/(6+6)) + 6 \times 6 \times 6) + 6) \\ &:= ((777 - 7)/7) \times (((7+7)/7)^7) + 7 \\ &:= ((8+8)/8) + ((8 \times 888) + (88 \times 88)) \\ &:= 99 \times ((9 \times (9+9)) - ((99+9)/9)) \end{aligned}$$

- **14851** := $((1 + (11^{1+1}))^{1+1}) - (11 \times (1 + 1 + 1))$
:= $2/2 + (22 \times (((22 + 2 + 2)^2) - 2/2))$
:= $3 + (((3/3 + 3)^3) \times (((3^3+3) - 33)/3))$
:= $4 + ((4^4 \times (((4^4 - (4 + 4))/4) - 4)) - 4/4)$
:= $5/5 + (55 \times (5 \times 55 - 5))$
:= $6 + (((((6 - 6/6)^6) - (66 \times (6 + 6))) + 6) + 6)$
:= $7/7 + (((777 - 7)/7) \times (((7 + 7)/7)^7) + 7)$
:= $88/8 + (((88 \times 88) - 8) + (8 \times 888))$
:= $9 + ((9/9 + (9 \times 9)) \times ((9/9 + 99) + (9 \times 9)))$
- **14852** := $1 + (((1 + (11^{1+1}))^{1+1}) - (11 \times (1 + 1 + 1)))$
:= $2 + (22 \times (((22 + 2 + 2)^2) - 2/2))$
:= $3 + ((3 \times ((3^3 + 3) \times (((3 + 3) \times 3^3) + 3))) - 3/3)$
:= $4 + (4^4 \times (((4^4 - (4 + 4))/4) - 4))$
:= $((5 + 5)/5) + (55 \times (5 \times 55 - 5))$
:= $6666 + (((6 + 6)/6)^{6/6+6+6}) - 6$
:= $((7 + 7)/7) + 77 \times ((777/7) + 77)$
:= $(8 \times 888) + ((88 \times 88) + (8 \times 8/8 + 8))$
:= $99 + (((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9)) + (99/9))$
- **14853** := $1 + (1 + (((1 + (11^{1+1}))^{1+1}) - (11 \times (1 + 1 + 1))))$
:= $2 + ((22 \times (((22 + 2 + 2)^2) - 2/2)) + 2/2)$
:= $3 + (3 \times ((3^3 + 3) \times (((3 + 3) \times 3^3) + 3)))$
:= $4^4 + (((44/4)^4) - 44)$
:= $5 + ((55 \times (5 \times 55 - 5)) - ((5 + 5)/5))$
:= $6 + ((6/6 + 6) \times (((6 \times 6/(6 + 6))^{6/6+6}) - 66))$
:= $7 + ((7 \times (((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7) + 7)) - 7/7)$
:= $((8 - 8/8) \times ((88 \times (8 + 8 + 8)) + (88/8))) - 8$
:= $(999/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9))$
- **14854** := $((1 + (11^{1+1}))^{1+1}) - ((11 - 1) \times (1 + 1 + 1))$
:= $2 + ((22 \times (((22 + 2 + 2)^2) - 2/2)) + 2)$
:= $((3 + 3)^3) + (((33/3)^{3/3+3}) - 3)$
:= $4/4 + (((44/4)^4) - 44) + 4^4$
:= $5 + ((55 \times (5 \times 55 - 5)) - 5/5)$
:= $6 + (((6 - 6/6)^6) - ((666/6) + 666))$
:= $7 + (7 \times (((7 \times ((7 \times ((7 \times 7) - 7)) + 7)) + 7) + 7))$
:= $8 + (((88 \times 88) - ((8 + 8)/8)) + (8 \times 888))$
:= $((999 + 9)/9) + ((9 + 9) \times ((9 \times (9 \times 9 + 9)) + 9))$
- **14855** := $1 + (((1 + (11^{1+1}))^{1+1}) - ((11 - 1) \times (1 + 1 + 1)))$
:= $222 + (((22/2)^{2+2}) - (2 \times (2 + 2)))$
:= $3/3 + (((33/3)^{3/3+3}) - 3) + ((3 + 3)^3)$
:= $4^4 + (((44/4)^4) - 44) + ((4 + 4)/4)$
:= $5 + (55 \times (5 \times 55 - 5))$
:= $666 + ((6 \times (6 \times (6 \times 66))) - (66 + 6/6))$
:= $7 + (((7 - ((7 + 7)/7))^{7-7/7}) - 777)$
:= $8 + (((88 \times 88) - 8/8) + (8 \times 888))$
:= $9 + ((9 \times ((9 + 9) \times 99) - 9)) - 9999/9$
- **14856** := $(1 + 11) \times (((1 + 1) \times (1 + 1 + 1)) + (11 \times (1 + 111)))$
:= $(22 \times ((22 + 2 + 2)^2)) - (2^{2+2})$
:= $33 + ((3 \times 333) + ((3^3 - 3)^3))$
:= $4 + ((4^4 \times (((4^4 - (4 + 4))/4) - 4)) + 4)$
:= $5 + ((55 \times (5 \times 55 - 5)) + 5/5)$
:= $6 \times ((6 \times ((6 \times 66) + 6)) + (((6 + 6)/6)^6))$
:= $(7 - 7/7) \times (((7 \times (7 \times 7 \times 7)) - ((7 + 7)/7)) + 77)$
:= $8 + ((8 \times 888) + (88 \times 88))$
:= $9 + (((9 + 9)/9)^9) \times ((99/9 + 9) + 9) - 9/9$
- **14857** := $((1 + (11^{1+1}))^{1+1}) - ((1 + 1 + 1)^{1+1+1})$
:= $222 + (((22/2)^{2+2}) - (2 + 2 + 2))$
:= $((3 + 3)^3) + ((33/3)^{3/3+3})$
:= $4 + (((44/4)^4) - 44) + 4^4$
:= $5 + ((55 \times (5 \times 55 - 5)) + ((5 + 5)/5))$
:= $6 \times 6 \times 6 + ((66/6)^{6-(6+6)/6})$
:= $7 + (((777 - 7)/7) \times (((7 + 7)/7)^7) + 7)$
:= $8 + (((8 \times 888) + (88 \times 88)) + 8/8)$
:= $9 + (((9 + 9)/9)^9) \times ((99/9 + 9) + 9)$
- **14858** := $((1 + (11^{1+1}))^{1+1}) - ((1 + 1) \times (1 + 1 + 11))$
:= $2 + ((22 \times ((22 + 2 + 2)^2)) - (2^{2+2}))$
:= $3/3 + (((33/3)^{3/3+3}) + ((3 + 3)^3))$
:= $4 + (((44/4)^4) - 44) + 4^4 + 4/4$
:= $5 + ((55 \times (5 \times 55 - 5)) - ((5 + 5)/5) + 5)$
:= $6666 + (((6 + 6)/6)^{6/6+6+6})$
:= $((7 \times 7) - (77/7)) \times ((7 \times (7 \times 7 + 7)) - 7/7)$
:= $8 + (((8 \times 888) + (88 \times 88)) + ((8 + 8)/8))$
:= $((9 - 9/9) + 9) \times (((9 \times 99) - (9 + 9)) + 9/9)$
- **14859** := $(11^{1+1+1+1}) + ((1 + 1) \times (111 - (1 + 1)))$
:= $222 + (((22/2)^{2+2}) - (2 + 2))$
:= $3 \times ((3^3 + 3) \times (((3 + 3) \times 3^3) + 3)) + 3$
:= $(44/4) + (4^4 \times (((4^4 - (4 + 4))/4) - 4))$
:= $5 + ((55 \times (5 \times 55 - 5)) - 5/5) + 5$
:= $((666/6) + 6) \times (((66/6) \times (66/6)) + 6)$
:= $7 + (((7 + 7)/7) + 77) \times ((777/7) + 77)$
:= $88/8 + ((8 \times 888) + (88 \times 88))$
:= $9 + ((9 \times (9 \times (9 \times (9 + 9)) + 9))) + 999$
- **14860** := $((1 + (11^{1+1}))^{1+1}) - ((1 + 1) \times (1 + 11))$
:= $((((22/2)^2) + 2/2)^2) - (22 + 2)$
:= $3 + (((33/3)^{3/3+3}) + ((3 + 3)^3))$
:= $4^4 + ((4 \times (((4 + 4)^4) - 444)) - 4)$
:= $5 + ((55 \times (5 \times 55 - 5)) + 5)$
:= $((6 - 6/6)^6) - (((6 \times 6/(6 + 6))^6) + (6 \times 6))$
:= $(777/7) + (7 \times (7 \times ((7 \times (7 \times 7) - 7)) + 7))$
:= $(8 \times 888) + ((88 \times 88) + ((88 + 8)/8))$
:= $9 + (((9/9 + (9 \times 9)) \times ((9/9 + 99) + (9 \times 9))) + 9)$

$$\begin{aligned}
 \blacktriangleright 14861 &:= 11 \times ((11^{1+1+1}) + ((1+1) \times (11-1))) \\
 &:= 222 + (((22/2)^{2+2}) - 2) \\
 &:= 3 + (((33/3)^{3+3+3}) + ((3+3)^3)) + 3/3 \\
 &:= 44 + (((44/4)^4) + (4 \times 44)) \\
 &:= (55/5) + (55 \times (5 \times 55 - 5)) \\
 &:= (6/6 + 6) \times ((6 \times ((6 \times (66 - 6)) - 6)) - 6/6) \\
 &:= 77 \times (((7+7) \times (7+7)) - ((7+7+7)/7)) \\
 &:= (8 - 8/8) \times ((88 \times (8+8+8)) + (88/8)) \\
 &:= 9 \times 9 + ((99/9+9) \times (((9 \times (9 \times 9)) + 9/9) + 9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14862 &:= ((1 + (11^{1+1}))^{1+1}) - (11 + 11) \\
 &:= (((22/2)^2) + 2/2)^2 - 22 \\
 &:= 3 + (3 \times (((3^3 + 3) \times (((3+3) \times 3^3) + 3)) + 3)) \\
 &:= 44 + (((44/4)^4) + (4 \times 44)) + 4/4 \\
 &:= ((55+5)/5) + (55 \times (5 \times 55 - 5)) \\
 &:= (6 \times ((6 \times ((6 \times 66) + 6)) + 66)) - 6 \\
 &:= (7 - 7/7) \times (((7 \times (7 \times 7 \times 7)) - 7/7) + 77) \\
 &:= 8 + (((88 \times 88) - ((8+8)/8)) + (8 \times 888)) + 8 \\
 &:= 9 + (((9+9) \times ((9 \times (9 \times 9 + 9)) + 9)) + (999/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14863 &:= ((1+1) \times 111) + (11^{1+1+1+1}) \\
 &:= 222 + ((22/2)^{2+2}) \\
 &:= 3 + (((33/3)^{3+3+3}) + ((3+3)^3)) + 3 \\
 &:= ((44/4)^4) + (444/((4+4)/4)) \\
 &:= (5 \times (5^5 - 5)) - (((555+5^5) + 5)/5) \\
 &:= 6 + (((66/6)^{6-(6+6)/6}) + 6 \times 6 \times 6) \\
 &:= (((777+77)/7)^{(7+7)/7}) - (7+7+7) \\
 &:= (8/8+88) \times (((888/8) - 8) + (8 \times 8)) \\
 &:= 9 + (9+9) \times (9 \times (9 \times 9 + 9) + 9) + (999+9)/9;
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14864 &:= 1 + (((1+1) \times 111) + (11^{1+1+1+1})) \\
 &:= 2 + (((22/2)^2) + 2/2)^2 - 22 \\
 &:= (((3-3/3) + 3)^3) + (3 \times (((33/3+3) + 3)^3)) \\
 &:= 4 \times ((4 \times (4 \times (4^4 + 4))) - 444) \\
 &:= (5 \times (5^5 - 5)) - ((555+5^5)/5) \\
 &:= 6 + (((6+6)/6)^{6/6+6+6}) + 6666 \\
 &:= 7 + (((777-7)/7) \times (((7+7)/7)^7 + 7)) + 7 \\
 &:= 8 + (((8 \times 888) + (88 \times 88)) + 8) \\
 &:= 9 + (((9 \times ((9+9) \times 99) - 9)) - 9999/9) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14865 &:= ((1+1) \times (1+111)) + (11^{1+1+1+1}) \\
 &:= 2 + (((22/2)^{2+2}) + 222) \\
 &:= 3 \times (((33/3+3) + 3)^3) + 33 + 3 \times 3 \\
 &:= 4^4 + (((44/4)^4) - 4 \times (4+4)) \\
 &:= 5 + (((55 \times (5 \times 55 - 5)) + 5) + 5) \\
 &:= (6 \times ((6 \times ((6 \times 66) + 6)) + 66)) - (6 \times 6/(6+6)) \\
 &:= 7 + (((7 \times 7) - (77/7)) \times ((7 \times (7 \times 7 + 7)) - 7/7)) \\
 &:= (8 \times 88) + (((888/8) + 8)^{(8+8)/8}) \\
 &:= ((9 - (9+9+9)/9) + 9) \times ((999 - 9) + 9/9)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14866 &:= 1 + (((1+1) \times (1+111)) + (11^{1+1+1+1})) \\
 &:= (22 \times ((22+2+2)^2)) - (2+2+2) \\
 &:= 3 \times 3 + (((33/3)^{3+3+3}) + ((3+3)^3)) \\
 &:= 4/4 + (((44/4)^4) - 4 \times (4+4)) + 4^4 \\
 &:= 5 + ((55 \times (5 \times 55 - 5)) + (55/5)) \\
 &:= (6 \times ((6 \times ((6 \times 66) + 6)) + 66)) - ((6+6)/6) \\
 &:= ((7+7) \times ((77 \times (7+7)) - 7)) - (((7+7)/7)^7) \\
 &:= ((888/8) \times (((8 \times (8+8)) - ((8+8)/8)) + 8)) - 8 \\
 &:= 9 + (((9+9)/9)^9) \times ((99/9+9) + 9) + 9
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14867 &:= (11^{1+1+1+1}) + ((1+1) \times (1+(1+111))) \\
 &:= 2 + (((22/2)^{2+2}) + 222) + 2 \\
 &:= ((3+3) \times ((33 \times ((3 \times (3^3 - 3)) + 3)) + 3)) - 3/3 \\
 &:= ((4^4 - 4) \times (((4^4 - 4)/4) - 4)) - 4/4 \\
 &:= 5 + ((55 \times (5 \times 55 - 5)) + ((55+5)/5)) \\
 &:= (6 \times ((6 \times ((6 \times 66) + 6)) + 66)) - 6/6 \\
 &:= ((7+7) \times ((7777/7) - (7 \times 7))) - 7/7 \\
 &:= 8 + (((8 \times 888) + (88 \times 88)) + (88/8)) \\
 &:= 9 + (((9-9/9) + 9) \times ((9 \times 99) - (9+9) + 9/9))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14868 &:= ((1 + (11^{1+1}))^{1+1}) - ((1+1)^{1+1+1+1}) \\
 &:= (22 \times ((22+2+2)^2)) - (2+2) \\
 &:= (3+3) \times ((33 \times ((3 \times (3^3 - 3)) + 3)) + 3) \\
 &:= (4^4 - 4) \times (((4^4 - 4)/4) - 4) \\
 &:= ((55+5)/5) \times (((5^5 - 55) + 5^5)/5) \\
 &:= 6 \times ((6 \times ((6 \times 66) + 6)) + 66) \\
 &:= (7+7) \times ((7777/7) - (7 \times 7)) \\
 &:= (((888+88)/8)^{(8+8)/8}) - (8+8) \\
 &:= (9+9) \times (((9 \times (9 \times 9)) - ((9+9)/9)) + 99)
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14869 &:= ((1 + (11^{1+1}))^{1+1}) - (1 + (1+1+1+11)) \\
 &:= (22 \times ((22+2+2)^2)) - (2/2+2) \\
 &:= (((3-3/3) + 3)^{3+3}) - ((3^3+3) + 3^3) \\
 &:= 4 + (((44/4)^4) - 4 \times (4+4)) + 4^4 \\
 &:= (5 \times (5^5 - (5 \times 5))) - (((5^5+5)/5) + 5) \\
 &:= 6 \times 6 + (((6-6/6)^6) - (66 \times (6+6))) \\
 &:= 7/7 + ((7+7) \times ((7777/7) - (7 \times 7))) \\
 &:= 8 + ((8-8/8) \times ((88 \times (8+8+8)) + (88/8))) \\
 &:= 9/9 + ((9+9) \times (((9 \times (9 \times 9)) - ((9+9)/9)) + 99))
 \end{aligned}$$

$$\begin{aligned}
 \blacktriangleright 14870 &:= ((1 + (11^{1+1}))^{1+1}) - (1+1+1+11) \\
 &:= (22 \times ((22+2+2)^2)) - 2 \\
 &:= ((3^3 - 3/3)^3) - ((3 \times (33 \times 3^3)) + 33) \\
 &:= 4^4 + (((44/4)^4) - (44/4 + 4 \times 4)) \\
 &:= (5 \times (5^5 - (5 \times (5 \times 5 + 5)))) - 5 \\
 &:= ((6+6)/6) + (6 \times ((6 \times ((6 \times 66) + 6)) + 66)) \\
 &:= (((777+77)/7)^{(7+7)/7}) - (7+7) \\
 &:= 88 + ((88 \times ((88-8) + 88)) - ((8+8)/8)) \\
 &:= (9/9+9) \times (((9 \times (9 \times (9+9))) + (99/9)) + 9) + 9
 \end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14871 &:= ((1 + (11^{1+1}))^{1+1}) - (1 + 1 + 11) \\
&:= (22 \times ((22 + 2 + 2)^2)) - 2/2 \\
&:= (((3 + 3)^3) \times ((33 + 33) + 3)) - 33 \\
&:= 4 + (((4^4 - 4) \times (((4^4 - 4)/4) - 4)) - 4/4) \\
&:= 5/5 + ((5 \times (5^5 - (5 \times (5 \times 5 + 5)))) - 5) \\
&:= (666/6) + ((6 + 6) \times ((6 \times 6 \times 6 \times 6) - 66)) \\
&:= 7 + ((((((777 - 7)/7) \times (((7 + 7)/7)^7) + 7)) + 7) + 7) \\
&:= 88 + ((88 \times ((88 - 8) + 88)) - 8/8) \\
&:= (999/9) + ((99/9 + 9) \times ((9 \times (9 \times 9)) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14872 &:= ((1 + (11^{1+1}))^{1+1}) - 11 - 1 \\
&:= 22 \times ((22 + 2 + 2)^2) \\
&:= (33/3) \times (((33/3)^3) + (3 \times (3 + 3))) + 3) \\
&:= 4 + ((4^4 - 4) \times (((4^4 - 4)/4) - 4)) \\
&:= ((5 + 5)/5) + ((5 \times (5^5 - (5 \times (5 \times 5 + 5)))) - 5) \\
&:= (((6 \times 66) + 6) \times ((6 \times 6) + 6/6)) - ((6 + 6)/6) \\
&:= 77/7 \times (((7 - 7/7) + 7) \times ((777/7) - 7)) \\
&:= 88 + (88 \times ((88 - 8) + 88)) \\
&:= (99 - (99/9)) \times (((9 \times (9 + 9)) - ((9 + 9)/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14873 &:= ((1 + (11^{1+1}))^{1+1}) - 11 \\
&:= 2/2 + (22 \times ((22 + 2 + 2)^2)) \\
&:= ((33/3)^{3+3+3}) + (((3^3+3) - 33)/3) \\
&:= 4^4 + (((44/4)^4) - ((4 \times 4 + 4) + 4)) \\
&:= (5 \times (5^5 - (5 \times 5))) - ((5^5 + 5 + 5)/5) \\
&:= (((6 \times 66) + 6) \times ((6 \times 6) + 6/6)) - 6/6 \\
&:= 7 + (((7 + 7) \times ((77 \times (7 + 7)) - 7)) - (((7 + 7)/7)^7)) \\
&:= 8/8 + ((88 \times ((88 - 8) + 88)) + 88) \\
&:= (((999 + 99)/9)^{(9+9)/9}) - (99/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14874 &:= 1 + (((1 + (11^{1+1}))^{1+1}) - 11) \\
&:= 2 + (22 \times ((22 + 2 + 2)^2)) \\
&:= (((3/3 + 3)^3) + 3) \times (((3 + 3)^3) + 3) + 3) \\
&:= (444/4) \times (((4^4 + 4)/(4 + 4)/4) + 4) \\
&:= (5 \times (5^5 - (5 \times 5))) - ((5^5 + 5)/5) \\
&:= ((6 \times 66) + 6) \times ((6 \times 6) + 6/6) \\
&:= (7 - 7/7) \times (((7 \times (7 \times 7 \times 7)) + 77) + 7/7) \\
&:= (888/8) \times (((8 \times (8 + 8)) - ((8 + 8)/8)) + 8) \\
&:= (999/9) \times (((((99 - 9/9) + 9) + 9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14875 &:= 1 + (1 + (((1 + (11^{1+1}))^{1+1}) - 11)) \\
&:= 2 + ((22 \times ((22 + 2 + 2)^2)) + 2/2) \\
&:= (3 \times ((3 \times 3^3) - 3)) + ((33/3)^{3+3+3}) \\
&:= (((4 - 4/4)^4) + 4) \times ((4 \times 44) - 4/4) \\
&:= 5 \times (5^5 - (5 \times (5 \times 5 + 5))) \\
&:= 6/6 + (((6 \times 66) + 6) \times ((6 \times 6) + 6/6)) \\
&:= 7 \times (((7 + 7)/7)^{77/7}) + 77) \\
&:= (8/8 + 8 + 8) \times (888 - ((88 + 8 + 8)/8)) \\
&:= (((999 + 99)/9)^{(9+9)/9}) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14876 &:= 1 + (1 + (1 + ((1 + (11^{1+1}))^{1+1}) - 11))) \\
&:= 2 + ((22 \times ((22 + 2 + 2)^2)) + 2) \\
&:= ((3^3 - 3)^3) + ((3^3 \times ((33 + 3) + 3)) - 3/3) \\
&:= (((4 - 4^4) + 4) \times (4 - (4 \times (4 \times 4)))) - 4 \\
&:= 5/5 + (5 \times (5^5 - (5 \times (5 \times 5 + 5)))) \\
&:= ((6 + 6)/6) + (((6 \times 66) + 6) \times ((6 \times 6) + 6/6)) \\
&:= 7/7 + (7 \times (((7 + 7)/7)^{77/7}) + 77) \\
&:= (((888 + 88)/8)^{(8+8)/8}) - 8 \\
&:= ((9 + 9) \times ((9 \times 99) - 9)) - (999 + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14877 &:= 1 + (1 + (1 + (1 + ((1 + (11^{1+1}))^{1+1}) - 11)))) \\
&:= 2 + (((22 \times ((22 + 2 + 2)^2)) + 2/2) + 2) \\
&:= 3 \times (3 \times ((3^3 \times (3^3 + 33)) + 33)) \\
&:= 4^4 + (((44/4)^4) - (4 \times 4 + 4)) \\
&:= ((5 + 5)/5) + (5 \times (5^5 - (5 \times (5 \times 5 + 5)))) \\
&:= (6 \times 6/(6 + 6)) + (((6 \times 66) + 6) \times ((6 \times 6) + 6/6)) \\
&:= (((777 + 77)/7)^{(7+7)/7}) - 7 \\
&:= (8/8 + 8) \times (((88/8) + 8) \times (88 - 8/8)) \\
&:= ((9 + 9) \times ((9 \times 99) - 9)) - 999
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14878 &:= ((1 + (11^{1+1}))^{1+1}) - ((1 + 1) \times (1 + 1 + 1)) \\
&:= 2 + ((22 \times ((22 + 2 + 2)^2)) + 2) + 2) \\
&:= (((3^3+3) + 3)/(3 + 3))^{3-3/3} - (3 + 3) \\
&:= 4/4 + (((44/4)^4) - (4 \times 4 + 4)) + 4^4) \\
&:= 5 + ((5 \times (5^5 - (5 \times 5))) - ((5^5 + 5 + 5)/5)) \\
&:= (((666 + 66)/6)^{(6+6)/6}) - 6 \\
&:= 7/7 + (((777 + 77)/7)^{(7+7)/7}) - 7) \\
&:= 8 + (((88 \times ((88 - 8) + 88)) - ((8 + 8)/8)) + 88) \\
&:= 9/9 + (((9 + 9) \times ((9 \times 99) - 9)) - 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14879 &:= ((1 + (11^{1+1}))^{1+1}) - (1 + 1 + 1 + 1 + 1) \\
&:= 222 + (((22/2)^{2+2}) + (2^{2+2})) \\
&:= ((3^3 - 3)^3) + ((33 \times 33) - (3/3 + 33)) \\
&:= (((4 - 4^4) + 4) \times (4 - (4 \times (4 \times 4)))) - 4/4 \\
&:= 5 + ((5 \times (5^5 - (5 \times 5))) - ((5^5 + 5)/5)) \\
&:= 6 + (((6 \times 66) + 6) \times ((6 \times 6) + 6/6)) - 6/6) \\
&:= (77/7) + ((7 + 7) \times ((7777/7) - (7 \times 7))) \\
&:= 8 + (((88 \times ((88 - 8) + 88)) - 8/8) + 88) \\
&:= 99 + ((99/9 + 9) \times (((9 \times (9 \times 9)) + 9/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14880 &:= ((1 + (11^{1+1}))^{1+1}) - (1 + 1 + 1 + 1) \\
&:= (((22/2)^2) + 2/2)^2 - (2 + 2) \\
&:= ((3^3 - 3)^3) + (33 \times (33 - 3/3)) \\
&:= ((4 - 4^4) + 4) \times (4 - (4 \times (4 \times 4))) \\
&:= 5 + (5 \times (5^5 - (5 \times (5 \times 5 + 5)))) \\
&:= 6 + (((6 \times 66) + 6) \times ((6 \times 6) + 6/6)) \\
&:= (7 - 7/7) \times (((7 \times (7 \times 7 \times 7)) + ((7 + 7)/7)) + 77) \\
&:= 8 + ((88 \times ((88 - 8) + 88)) + 88) \\
&:= (9/9 + 9) \times ((9 \times (9 \times 9) - 9)) + (999/9)
\end{aligned}$$

$$\begin{aligned} \blacktriangleright 14881 &:= ((1 + (11^{1+1}))^{1+1}) - (1 + 1 + 1) \\ &:= (22^2/2) + (((22/2)^{2+2}) - 2) \\ &:= (((3^{3+3}) + 3)/(3 + 3))^{3-3/3} - 3 \\ &:= 4^4 + (((44/4)^4) - 4 \times 4) \\ &:= 5 + ((5 \times (5^5 - (5 \times (5 \times 5 + 5)))) + 5/5) \\ &:= 6 + (((6 \times 66) + 6) \times ((6 \times 6) + 6/6)) + 6/6) \\ &:= 7 + ((7 - 7/7) \times (((7 \times (7 \times 7 \times 7)) + 77) + 7/7)) \\ &:= (((88/8) - 8)^8) + ((8 + 8) \times ((8 \times 8 \times 8) + 8)) \\ &:= 9 \times 9 + ((99/9 + 9) \times ((9 \times (9 \times 9)) + (99/9))) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14882 &:= ((1 + (11^{1+1}))^{1+1}) - (1 + 1) \\ &:= (((22/2)^2) + 2/2)^2 - 2 \\ &:= 3/3 + (((3^{3+3}) + 3)/(3 + 3))^{3-3/3} - 3 \\ &:= 4/4 + (((44/4)^4) - 4 \times 4) + 4^4 \\ &:= (((5 + 5)/5)^5) + (55 \times (5 \times 55 - 5)) \\ &:= 6 + (((6 \times 66) + 6) \times ((6 \times 6) + 6/6)) + ((6 + 6)/6)) \\ &:= 7 + (7 \times (((7 + 7)/7)^{7/7} + 77)) \\ &:= 8 + ((888/8) \times (((8 \times (8 + 8)) - ((8 + 8)/8)) + 8)) \\ &:= ((9 + 9)/9) \times ((9 \times ((9 \times (9 \times 9)) + 99)) - (99/9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14883 &:= ((1 + (11^{1+1}))^{1+1}) - 1 \\ &:= (22^2/2) + ((22/2)^{2+2}) \\ &:= 3 + ((33 \times (33 - 3/3)) + ((3^3 - 3)^3)) \\ &:= ((44/4)^4) + ((44 \times 44)/(4 + 4)) \\ &:= (5 \times 5^5) - (((555 + 5^5) + 5)/5) + 5 \\ &:= (((6 \times 6) - 6/6) + 6) \times ((66 \times 66)/(6 + 6)) \\ &:= ((7 + 7) \times ((77 \times (7 + 7)) - 7)) - (777/7) \\ &:= (((888 + 88)/8)^{(8+8)/8}) - 8/8 \\ &:= (((999 + 99)/9)^{(9+9)/9}) - 9/9 \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14884 &:= (1 + (11^{1+1}))^{1+1} \\ &:= (((22/2)^2) + 2/2)^2 \\ &:= (((3^{3+3}) + 3)/(3 + 3))^{3-3/3} \\ &:= 4 + (((4 - 4^4) + 4) \times (4 - (4 \times (4 \times 4)))) \\ &:= ((555 + 55)/5)^{(5+5)/5} \\ &:= ((666 + 66)/6)^{(6+6)/6} \\ &:= ((777 + 77)/7)^{(7+7)/7} \\ &:= ((888 + 88)/8)^{(8+8)/8} \\ &:= ((999 + 99)/9)^{(9+9)/9} \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14885 &:= 1 + ((1 + (11^{1+1}))^{1+1}) \\ &:= 2/2 + (((22/2)^2) + 2/2)^2 \\ &:= 3/3 + (((3^{3+3}) + 3)/(3 + 3))^{3-3/3} \\ &:= 4 + (((44/4)^4) - 4 \times 4) + 4^4 \\ &:= 5 + ((5 \times (5^5 - (5 \times (5 \times 5 + 5)))) + 5) \\ &:= 6/6 + (((666 + 66)/6)^{(6+6)/6}) \\ &:= 7/7 + (((777 + 77)/7)^{(7+7)/7}) \\ &:= 8/8 + (((888 + 88)/8)^{(8+8)/8}) \\ &:= 9/9 + (((999 + 99)/9)^{(9+9)/9}) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14886 &:= 1 + (1 + ((1 + (11^{1+1}))^{1+1})) \\ &:= 2 + (((22/2)^2) + 2/2)^2 \\ &:= 3 \times ((333 \times (3 \times 3 + 3 + 3)) - 33) \\ &:= 4^4 + (((44/4)^4) - 44/4) \\ &:= (55/5) + (5 \times (5^5 - (5 \times (5 \times 5 + 5)))) \\ &:= 666 + (6 \times ((6 \times (6 \times 66)) - 6)) \\ &:= (77/7 + 7) \times ((777 + (7 \times 7)) + 7/7) \\ &:= ((8 + 8)/8) + (((888 + 88)/8)^{(8+8)/8}) \\ &:= (9 + 9) \times (((9 \times (9 \times 9)) - 9/9) + 99) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14887 &:= 1 + (1 + (1 + ((1 + (11^{1+1}))^{1+1}))) \\ &:= 2 + (((22/2)^2) + 2/2)^2 + 2/2) \\ &:= 3 + (((3^{3+3}) + 3)/(3 + 3))^{3-3/3} \\ &:= 4^4 + (((4 - 44)/4) + ((44/4)^4)) \\ &:= 5 + ((55 \times (5 \times 55 - 5)) + (((5 + 5)/5)^5)) \\ &:= ((6 - 6/6)^6) - ((666 + 66) + 6) \\ &:= (77 \times ((7 + 7) \times (7 + 7))) - (((7 + 7)/7)^7) + 77) \\ &:= (888/8) + ((88 \times ((88 - 8) + 88)) - 8) \\ &:= 9/9 + ((9 + 9) \times (((9 \times (9 \times 9)) - 9/9) + 99)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14888 &:= 1 + (1 + (1 + (1 + ((1 + (11^{1+1}))^{1+1})))) \\ &:= 2 + (((22/2)^2) + 2/2)^2 + 2) \\ &:= 3 + (((3^{3+3}) + 3)/(3 + 3))^{3-3/3} + 3/3) \\ &:= 4 + (((4 - 4^4) + 4) \times (4 - (4 \times (4 \times 4)))) + 4) \\ &:= (5 \times 5^5) - (((555 + 5^5) + 5)/5) \\ &:= ((6 - 6/6)^6) - ((66/6) \times (66 + 6/6)) \\ &:= (7/7 + 7) \times ((7 \times (7 \times 7 \times 7 - 77)) - 7/7) \\ &:= ((8 + 8) \times ((8 \times (8 \times (8 + 8))) - 88)) - 88 \\ &:= ((9 + 9)/9) + ((9 + 9) \times (((9 \times (9 \times 9)) - 9/9) + 99)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14889 &:= 1 + (1 + (1 + (1 + (1 + ((1 + (11^{1+1}))^{1+1})))))) \\ &:= 2 + (((22/2)^2) + 2/2)^2 + 2/2) + 2) \\ &:= 3 + (((3^3 - 3)^3) + (3^{3+3})) + 333) \\ &:= 4^4 + (((44/4)^4) - (4 + 4)) \\ &:= (5 \times 5^5) - ((555 + 5^5)/5) \\ &:= 6 + (((6 \times 6) - 6/6) + 6) \times ((66 \times 66)/(6 + 6)) \\ &:= ((7 + 7) \times ((7 + 7) \times (77 - 7/7))) - 7 \\ &:= 8 + (((8 + 8) \times ((8 \times 8 \times 8) + 8)) + (((88/8) - 8)^8)) \\ &:= (((99 + 99)/9) + 9) \times ((9 \times (9 \times 9)) - (99/9 + 9)) \end{aligned}$$

$$\begin{aligned} \blacktriangleright 14890 &:= ((1 + 1) \times (1 + 1 + 1)) + ((1 + (11^{1+1}))^{1+1}) \\ &:= 2 + (((22/2)^2) + 2/2)^2 + 2) + 2) \\ &:= 3 + (((3^{3+3}) + 3)/(3 + 3))^{3-3/3} + 3) \\ &:= 4 + (((44/4)^4) - 44/4) + 4^4) \\ &:= 5 + (((5 \times (5^5 - (5 \times (5 \times 5 + 5)))) + 5) + 5) \\ &:= 6 + (((666 + 66)/6)^{(6+6)/6}) \\ &:= 7/7 + (((7 + 7) \times ((7 + 7) \times (77 - 7/7))) - 7) \\ &:= (((8 + 8)/8) \times (((88/8) - 8)^8) + 888)) - 8 \\ &:= (9 \times (9 \times 9)) + (((99/9) + 99) + 9)^{(9+9)/9} \end{aligned}$$

► **14891** := 1 + (((1 + 1) × (1 + 1 + 1)) + ((1 + (11¹⁺¹))¹⁺¹))
 := 2 + ((((((22/2)²) + 2/2)²) + 2/2) + 2) + 2
 := ((3³ - 3/3)³) - ((3 × ((33 × 3³) + 3)) + 3)
 := 4⁴ + (((44/4)⁴) - (((4 + 4)/4) + 4))
 := (5 × 5 × (5 + 5)) + ((55/5)^{5-5/5})
 := 6 + (((666 + 66)/6)^{(6+6)/6}) + 6/6
 := 7 + (((777 + 77)/7)^{(7+7)/7})
 := 8 + (((888 + 88)/8)^{(8+8)/8}) - 8/8
 := (99 × ((9 × (9 + 9)) - 9)) - (((9 + 9)/9)^{9-9/9})

► **14896** := 1 + (11 + ((1 + (11¹⁺¹))¹⁺¹))
 := 2 + ((22 × ((22 + 2 + 2)²)) + 22)
 := (((3 - 3/3) + 3)³⁺³) - (3³⁺³)
 := 4⁴ + (((44/4)⁴) - 4/4)
 := (5 × 5⁵) - ((5 - (5 + 5)/5)^{5/5+5})
 := ((6 - 6/6)⁶) - ((6 × 6/(6 + 6))⁶)
 := (7 + 7) × ((7 + 7) × (77 - 7/7))
 := (8 × 88) + ((8 + 8) × (888 - 8/8))
 := 9/9 + (((9 + 9) × ((9 × (9 × 9)) + 99)) - 9)

► **14892** := 11 + (((1 + (11¹⁺¹))¹⁺¹) - (1 + 1 + 1))
 := 22 + ((22 × ((22 + 2 + 2)²)) - 2)
 := (((3 + 3)³) + 3) × (((((3 + 3)³) - 3)/3) - 3)
 := 4⁴ + (((44/4)⁴) - (4/4 + 4))
 := 5 + (((55 × (5 × 55 - 5)) + ((5 + 5)/5)⁵) + 5)
 := 6 + ((6 × ((6 × (6 × 66)) - 6)) + 666)
 := ((77/7) - 7) × ((7 × ((7 × 77) - 7)) - 7/7)
 := 8 + (((888 + 88)/8)^{(8+8)/8})
 := ((99 + 9)/9) × (((9 + 9)/9)⁹) + (9 × (9 × 9))

► **14897** := 1 + (1 + (11 + ((1 + (11¹⁺¹))¹⁺¹)))
 := (2^{2×(2+2)}) + ((22/2)²⁺²)
 := 3/3 + (((3 - 3/3) + 3)³⁺³) - (3³⁺³)
 := 4⁴ + (((44/4)⁴)
 := (((5 × 5) - 5/5) × ((5⁵ - (5 + 5)/5)) - 55
 := 6/6 + (((6 - 6/6)⁶) - ((6 × 6/(6 + 6))⁶)
 := 7/7 + ((7 + 7) × ((7 + 7) × (77 - 7/7)))
 := ((8 + 8) × (8 + 8)) + ((88/8)^{8×8/(8+8)})
 := ((9 + 9)/9) + (((9 + 9) × ((9 × (9 × 9)) + 99)) - 9)

► **14893** := 11 + (((1 + (11¹⁺¹))¹⁺¹) - (1 + 1))
 := 22 + ((22 × ((22 + 2 + 2)²)) - 2/2)
 := (((3 - 3/3) + 3)³⁺³) - ((3³⁺³) + 3)
 := 4⁴ + (((44/4)⁴) - 4)
 := 5 + ((5 × 5⁵) - (((555 + 5⁵) + 5)/5))
 := ((6 - 6/6)⁶) - (666 + 66)
 := 7 + ((77/7 + 7) × ((777 + (7 × 7)) + 7/7))
 := 8 + (((888 + 88)/8)^{(8+8)/8}) + 8/8
 := 9 + (((999 + 99)/9)^{(9+9)/9})

► **14898** := 1 + (1 + (1 + (11 + ((1 + (11¹⁺¹))¹⁺¹))))
 := 2 + ((22 × ((22 + 2 + 2)²)) + 22) + 2
 := (3³ - 3/3) × (((3 × 3 + 3)³)/3) - 3
 := 4/4 + (((44/4)⁴) + 4⁴)
 := ((5 - 5/5)⁵) + ((5 × 5 × 555) - 5/5)
 := (6 × (6 × (((6 × 66) + 6) + 6) + 6)) - 6
 := 7 + (((777 + 77)/7)^{(7+7)/7}) + 7
 := ((8 + 8)/8) × (((88/8) - 8)⁸) + 888
 := ((9 + 9 + 9)/9) + (((9 + 9) × ((9 × (9 × 9)) + 99)) - 9)

► **14894** := 11 + (((1 + (11¹⁺¹))¹⁺¹) - 1)
 := 22 + (22 × ((22 + 2 + 2)²)
 := (33/3) × ((3333 + (3³⁺³))/3)
 := 4/4 + (((44/4)⁴) - 4) + 4⁴
 := 5 + ((5 × 5⁵) - ((555 + 5⁵)/5))
 := 6/6 + (((6 - 6/6)⁶) - (666 + 66))
 := ((7 + 7)/7) × (((7 + 7) × ((7 × 77) - 7)) - 7/7)
 := ((888 - 8)/8) + (88 × ((88 - 8) + 88))
 := ((9 + 9) × ((9 × (9 × 9)) + 99)) - (9/9 + 9)

► **14899** := 1 + (1 + (1 + (1 + (11 + ((1 + (11¹⁺¹))¹⁺¹))))))
 := 2 + (((22/2)²⁺²) + (2^{2×(2+2)}))
 := 3 + (((3 - 3/3) + 3)³⁺³) - (3³⁺³)
 := 4⁴ + (((44/4)⁴) + ((4 + 4)/4))
 := ((5 - 5/5)⁵) + (5 × 5 × 555)
 := ((6 - 6/6)⁶) - (66 × (66/6))
 := 7 + (((77/7) - 7) × ((7 × ((7 × 77) - 7)) - 7/7))
 := 8 + (((888 + 88)/8)^{(8+8)/8}) - 8/8 + 8
 := 99 + ((99/9 + 9) × ((9 × (9 × 9)) + (99/9)))

► **14895** := 11 + ((1 + (11¹⁺¹))¹⁺¹)
 := (22/2) + (((22/2)²) + 2/2)²
 := 3 × ((3 × ((3 × 3 + 3)³)) - (((3 + 3)³) + 3))
 := 4⁴ + (((44/4)⁴) - ((4 + 4)/4))
 := (5 × ((5⁵ - (5 × (5 × 5 + 5))) + 5)) - 5
 := ((6 - 6/6)⁶) - (((6 × 6/(6 + 6))⁶) + 6/6)
 := ((7 + 7) × ((7 + 7) × (77 - 7/7))) - 7/7
 := (888/8) + (88 × ((88 - 8) + 88))
 := ((9 + 9) × ((9 × (9 × 9)) + 99)) - 9

► **14900** := ((1 + 1)¹⁺¹⁺¹⁺¹) + ((1 + (11¹⁺¹))¹⁺¹)
 := (2²⁺²) + (((22/2)²) + 2/2)²
 := ((3³ - 3/3)³) - ((3 × (33 × 3³)) + 3)
 := 4 + (((44/4)⁴) - 4/4) + 4⁴
 := 5 × ((5⁵ - (5 × (5 × 5 + 5))) + 5)
 := ((6 - 6/6)⁶) + ((6 - (66 × 66))/6)
 := ((77/7) - 7) × ((7 × ((7 × 77) - 7)) + 7/7)
 := 8 + (((888 + 88)/8)^{(8+8)/8}) + 8
 := ((9 + 9)/9) × ((9 × ((9 × (9 × 9)) + 99)) - ((9 + 9)/9))

$$\begin{aligned}
\blacktriangleright 14901 &:= 1 + (((1+1)^{1+1+1+1}) + ((1 + (11^{1+1}))^{1+1})) \\
&:= 2 + (((22/2)^{2+2}) + (2^{2 \times (2+2)})) + 2) \\
&:= ((3+3)^3) \times ((33+33) + 3) - 3 \\
&:= 4 + (((44/4)^4) + 4^4) \\
&:= 5/5 + (5 \times ((5^5 - (5 \times (5 \times 5 + 5)))) + 5) \\
&:= ((6 - 6/6)^6) + (((6 - (66 \times 66)) + 6)/6) \\
&:= 7 + (((7+7)/7) \times (((7+7) \times ((7 \times 77) - 7)) - 7/7)) \\
&:= (8 \times 88) + (((8+8) \times 888) - 88/8) \\
&:= ((9+9) \times (9 \times (9 \times 9)) + 99) - ((9+9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14902 &:= ((1+1) \times (11-1-1)) + ((1 + (11^{1+1}))^{1+1}) \\
&:= ((2 \times 22 + 2) \times (((2^{2+2}) + 2)^2)) - 2 \\
&:= 3 + (((((3-3/3) + 3)^{3+3}) - (3^{3+3})) + 3) \\
&:= 4 + (((44/4)^4) + 4^4) + 4/4) \\
&:= ((5+5)/5) + (5 \times ((5^5 - (5 \times (5 \times 5 + 5)))) + 5) \\
&:= 6 + (((6 - 6/6)^6) - ((6 \times 6/(6+6))^6)) \\
&:= 7 + (((7+7) \times ((7+7) \times (77-7/7))) - 7/7) \\
&:= (8 \times 88) + (((8+8) \times 888) + ((8-88)/8)) \\
&:= ((9+9) \times (9 \times (9 \times 9)) + 99) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14903 &:= ((1+11) \times ((11 \times (1 + (1+111))) - 1)) - 1 \\
&:= 22^2 + (((22/2)^{2+2}) - 222) \\
&:= ((3^3 - 3/3)^3) - (3 \times (33 \times 3^3)) \\
&:= 4 + (((44/4)^4) + ((4+4)/4)) + 4^4) \\
&:= 55 + ((55 \times (5 \times 55 - 5)) - ((5+5)/5)) \\
&:= (6 \times (6 \times (((6 \times 66) + 6) + 6) + 6)) - 6/6 \\
&:= 7 + ((7+7) \times ((7+7) \times (77-7/7))) \\
&:= (8 \times 88) + (((8+8) \times 888) - (8/8+8)) \\
&:= ((9+9) \times (9 \times (9 \times 9)) + 99) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14904 &:= (1+11) \times ((11 \times (1 + (1+111))) - 1) \\
&:= (2 \times 22 + 2) \times (((2^{2+2}) + 2)^2) \\
&:= ((3+3)^3) \times ((33+33) + 3) \\
&:= ((4 \times 4 + 4) + 4) \times (((4/4 + 4)^4) - 4) \\
&:= ((5 \times 5) - 5/5) \times (((5^5 + 5)/5) - 5) \\
&:= 6 \times (6 \times (((6 \times 66) + 6) + 6) + 6) \\
&:= 7 + (((7+7) \times ((7+7) \times (77-7/7))) + 7/7) \\
&:= (8 \times 88) + (((8+8) \times 888) - 8) \\
&:= (9+9) \times ((9 \times (9 \times 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14905 &:= 11 \times (11 + ((1+11) \times (1+111))) \\
&:= (((22/2)^2) + 2)^2 - (222 + 2) \\
&:= 3/3 + (((3+3)^3) \times ((33+33) + 3)) \\
&:= 4 + (((44/4)^4) + 4^4) + 4) \\
&:= 55 + (55 \times (5 \times 55 - 5)) \\
&:= ((6 - 6/6)^6) + ((6+6) \times (6-66)) \\
&:= 7 + (((777+77)/7)^{(7+7)/7} + 7) + 7) \\
&:= 8/8 + (((8+8) \times 888) - 8) + (8 \times 88) \\
&:= 9/9 + ((9+9) \times (9 \times (9 \times 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14906 &:= 11 + (11 + ((1 + (11^{1+1}))^{1+1})) \\
&:= 22 + (((22/2)^2) + 2/2)^2) \\
&:= 3 + (((3^3 - 3/3)^3) - (3 \times (33 \times 3^3))) \\
&:= 4 + (((44/4)^4) + 4^4) + 4/4) + 4) \\
&:= 55 + ((55 \times (5 \times 55 - 5)) + 5/5) \\
&:= 6 + (((6 - (66 \times 66))/6) + ((6-6/6)^6)) \\
&:= ((77-7)/7) + ((7+7) \times ((7+7) \times (77-7/7))) \\
&:= 8 + (((8+8)/8) \times (((88/8) - 8)^8) + 888) \\
&:= ((9+9)/9) + ((9+9) \times (9 \times (9 \times 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14907 &:= 1 + (11 + (11 + ((1 + (11^{1+1}))^{1+1}))) \\
&:= (((22/2)^2) + 2)^2 - 222 \\
&:= 3 + (((3+3)^3) \times ((33+33) + 3)) \\
&:= 4^4 + (((44/4)^4) + ((44-4)/4)) \\
&:= 55 + ((55 \times (5 \times 55 - 5)) + ((5+5)/5)) \\
&:= 6 + (((6 - (66 \times 66)) + 6)/6) + ((6-6/6)^6)) \\
&:= (77/7) + ((7+7) \times ((7+7) \times (77-7/7))) \\
&:= 88/8 + (((8+8) \times (888-8/8)) + (8 \times 88)) \\
&:= ((9+9+9)/9) + ((9+9) \times (9 \times (9 \times 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14908 &:= ((1+1) \times (1+11)) + ((1 + (11^{1+1}))^{1+1}) \\
&:= 2 + (((22/2)^2) + 2/2)^2) + 22) \\
&:= 3 + (((3+3)^3) \times ((33+33) + 3)) + 3/3) \\
&:= 4^4 + (((44/4)^4) + 44/4) \\
&:= 5 + ((55 \times (5 \times 55 - 5)) - ((5+5)/5)) + 55) \\
&:= 6 + (((6 - 6/6)^6) - ((6 \times 6/(6+6))^6)) + 6) \\
&:= ((777/7) \times (((7+7)/7)^7) + 7) - 77 \\
&:= 8 + (((888+88)/8)^{(8+8)/8} + 8) + 8) \\
&:= ((9+9)/9) \times ((9 \times (9 \times (9 \times 9)) + 99)) + ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14909 &:= 1 + (((1+1) \times (1+11)) + ((1 + (11^{1+1}))^{1+1})) \\
&:= 2 + (((22/2)^2) + 2)^2 - 222) \\
&:= ((3^3 - 3)^3) + ((33 \times 33) - (3/3 + 3)) \\
&:= 4 + (((44/4)^4) + 4^4) + 4) + 4) \\
&:= 5 + (((5 \times 5) - 5/5) \times (((5^5 + 5)/5) - 5)) \\
&:= 6 + ((6 \times (6 \times (((6 \times 66) + 6) + 6) + 6))) - 6/6) \\
&:= 7 + (((7+7) \times ((7+7) \times (77-7/7))) - 7/7) + 7) \\
&:= (8/8 + 8 + 8) \times (888 - 88/8) \\
&:= ((9 \times 9 + 9)/(9+9)) + ((9+9) \times (9 \times (9 \times 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14910 &:= ((1+1) \times (1+1+11)) + ((1 + (11^{1+1}))^{1+1}) \\
&:= 2 + (((22/2)^2) + 2/2)^2) + 22) + 2) \\
&:= ((3^3 - 3)^3) + ((33 \times 33) - 3) \\
&:= 4 + (((44/4)^4) + 4^4) + 4/4) + 4) + 4) \\
&:= 5 + ((55 \times (5 \times 55 - 5)) + 55) \\
&:= 6 + (6 \times (6 \times (((6 \times 66) + 6) + 6) + 6)) \\
&:= 7 + ((7+7) \times ((7+7) \times (77-7/7))) + 7) \\
&:= (8 \times 88) + (((8+8) \times 888) - ((8+8)/8)) \\
&:= ((9 \times 9) - (9/9+9)) \times ((999/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14911 &:= ((1+1+1)^{1+1+1}) + ((1+(11^{1+1}))^{1+1}) \\
&:= 2 + (((((22/2)^2) + 2)^2) - 222) + 2) \\
&:= 3^3 + (((3^3+3) + 3)/(3+3))^{3-3/3} \\
&:= 4 + (((44/4)^4) + ((44-4)/4) + 4^4) \\
&:= (5 \times 55) + (((55/5)^{5-5/5}) - 5) \\
&:= 6 + (((6+6) \times (6-66)) + ((6-6/6)^6)) \\
&:= 7 + (((7+7) \times ((7+7) \times (77-7/7))) + 7/7) + 7) \\
&:= (8 \times 88) + (((8+8) \times 888) - 8/8) \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9)) + 99)) - ((9+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14912 &:= ((1+1)^{11-1-1}) + (((11^{1+1}) - 1)^{1+1}) \\
&:= 2 \times ((2^{2+2}) \times (2 \times 222 + 22)) \\
&:= ((3^3 - 3)^3) + ((33 \times 33) - 3/3) \\
&:= 4 \times (((4+4) \times 444) + (4 \times 44)) \\
&:= 5 + (((55 \times (5 \times 55 - 5)) + ((5+5)/5)) + 55) \\
&:= (((6+6)/6)^6) \times (((6 \times 6 \times 6) + (66/6)) + 6) \\
&:= (7/7 + 7) \times ((7 \times (7 \times 7 \times 7 - 77)) + (7+7)/7) \\
&:= (8 \times 88) + ((8+8) \times 888) \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9)) + 99)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14913 &:= (11 \times ((1+11) \times (1+(1+111)))) - (1+1+1) \\
&:= ((22/2)^2) + (2 \times ((2 \times 2 \times 22 - 2)^2)) \\
&:= ((3^3 - 3)^3) + (33 \times 33) \\
&:= 4 \times 4 + (((44/4)^4) + 4^4) \\
&:= (5 \times (5^5 + 5)) - (((555 + 5^5) + 5)/5) \\
&:= ((6 \times 6 / (6+6))^6) + (6 \times ((6 \times (6 \times 66)) - (6+6))) \\
&:= 7 + (((7+7) \times ((7+7) \times (77-7/7))) + ((77-7)/7)) \\
&:= 8/8 + (((8+8) \times 888) + (8 \times 88)) \\
&:= 9 + ((9+9) \times ((9 \times (9 \times 9)) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14914 &:= (11 \times ((1+11) \times (1+(1+111)))) - (1+1) \\
&:= (22 \times (((22+2+2)^2) + 2)) - 2 \\
&:= 3/3 + (((3^3 - 3)^3) + (33 \times 33)) \\
&:= 4 \times 4 + (((44/4)^4) + 4^4) + 4/4 \\
&:= (5 \times (5^5 + 5)) - (((555 + 5^5)/5) \\
&:= 6 + (((((6-6/6)^6) - ((6 \times 6 / (6+6))^6)) + 6) + 6) \\
&:= (((7+7)/7)^{7+7}) + ((7+7+7) \times (7-77)) \\
&:= ((8+8)/8) + (((8+8) \times 888) + (8 \times 88)) \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9)) + 99)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14915 &:= (11 \times ((1+11) \times (1+(1+111)))) - 1 \\
&:= (22 \times (((22+2+2)^2) + 2)) - 2/2 \\
&:= 3 + (((33 \times 33) - 3/3) + ((3^3 - 3)^3)) \\
&:= 4 \times 4 + (((44/4)^4) + ((4+4)/4) + 4^4) \\
&:= 5 + (((55 \times (5 \times 55 - 5)) + 55) + 5) \\
&:= 666 + ((6 \times (6 \times (6 \times 66))) - (6/6 + 6)) \\
&:= (((77+7)/7) + 7) \times ((777+7/7) + 7) \\
&:= 88/8 + (((8+8) \times 888) - 8) + (8 \times 88) \\
&:= (99/9) + ((9+9) \times ((9 \times (9 \times 9)) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14916 &:= 11 \times ((1+11) \times (1+(1+111))) \\
&:= 22 \times (((22+2+2)^2) + 2) \\
&:= 3 + (((3^3 - 3)^3) + (33 \times 33)) \\
&:= (4 \times (((4+4)^4) - 4^4)) - 444 \\
&:= (5 \times 55) + ((55/5)^{5-5/5}) \\
&:= 66 \times (((66-6)/6) + 6 \times 6 \times 6) \\
&:= ((7+7) \times ((77 \times (7+7)) - 7)) - (7/7 + 77) \\
&:= (8 \times 88) + (((8+8) \times 888) + (8 \times 8 / (8+8))) \\
&:= ((99+9)/9) + ((9+9) \times ((9 \times (9 \times 9)) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14917 &:= 1 + (11 \times ((1+11) \times (1+(1+111)))) \\
&:= 2/2 + (22 \times (((22+2+2)^2) + 2)) \\
&:= 3 + (((3^3 - 3)^3) + (33 \times 33)) + 3/3 \\
&:= 4 + (((44/4)^4) + 4 \times 4) + 4^4 \\
&:= 5/5 + (((55/5)^{5-5/5}) + (5 \times 55)) \\
&:= ((6-6/6)^6) - ((666 + (6 \times 6)) + 6) \\
&:= 7 \times (((7+7+7)/7)^7) - (7 \times 7 + 7) \\
&:= 8 + ((8/8 + 8 + 8) \times (888 - 88/8)) \\
&:= ((99+9+9)/9) + ((9+9) \times ((9 \times (9 \times 9)) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14918 &:= 1 + (1 + (11 \times ((1+11) \times (1+(1+111)))))) \\
&:= 2 + (22 \times (((22+2+2)^2) + 2)) \\
&:= ((3^3 - 3)^3) + (((3^3 \times 3)/3) + 3)/(3+3) \\
&:= 4 + (((44/4)^4) + 4 \times 4) + 4^4 + 4/4 \\
&:= (5 \times (5^5 - 5)) - (((5^5 + 5 + 5)/5) + 55) \\
&:= 6 + (((6+6)/6)^6) \times (((6 \times 6 \times 6) + (66/6)) + 6) \\
&:= 7/7 + (7 \times (((7+7+7)/7)^7) - (7 \times 7 + 7)) \\
&:= 8 + (((8+8) \times 888) - ((8+8)/8)) + (8 \times 88) \\
&:= (9 \times ((9+9) \times 99)) - (9999/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14919 &:= 1 + (1 + (1 + (11 \times ((1+11) \times (1+(1+111)))))) \\
&:= 2 + ((22 \times (((22+2+2)^2) + 2)) + 2/2) \\
&:= 3 + (((3^3 - 3)^3) + (33 \times 33)) + 3) \\
&:= 4^4 + ((44/((4+4)/4)) + ((44/4)^4)) \\
&:= (5 \times (5^5 - 5)) - (((5^5 + 5)/5) + 55) \\
&:= 666 + ((6 \times (6 \times (6 \times 66))) - (6 \times 6 / (6+6))) \\
&:= ((7+7)/7) + (7 \times (((7+7+7)/7)^7) - (7 \times 7 + 7)) \\
&:= 8 + (((8+8) \times 888) - 8/8) + (8 \times 88) \\
&:= 9 + (((9 \times 9) - (9/9 + 9)) \times ((999/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14920 &:= ((1+1+1) \times (1+11)) + ((1+(11^{1+1}))^{1+1}) \\
&:= 2 + ((22 \times (((22+2+2)^2) + 2)) + 2) \\
&:= 3 + (((3^3 - 3)^3) + (33 \times 33)) + 3/3 + 3) \\
&:= 4 + ((4 \times (((4+4)^4) - 4^4)) - 444) \\
&:= (5 \times (5^5 - 5)) - ((5^5/5) + 55) \\
&:= 6 \times 6 + (((666 + 66)/6)^{(6+6)/6}) \\
&:= ((77/7) - 7) \times (((7 \times (7 \times 77) - 7)) - 7/7) + 7) \\
&:= 8 + (((8+8) \times 888) + (8 \times 88)) \\
&:= (99/9 + 9) \times (((9 \times (9 \times 9)) - 9/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14921 &:= (111/(1+1+1)) + ((1+(11^{1+1}))^{1+1}) \\
&:= 2 + (((22 \times ((22+2+2)^2) + 2)) + 2/2) + 2 \\
&:= 3 + (((((3^3 \times 3)/3) + 3)/(3+3)) + ((3^3 - 3)^3)) \\
&:= 4 + (((((44/4)^4) + 4 \times 4) + 4^4) + 4) \\
&:= 5 + (((55/5)^{5-5/5}) + (5 \times 55)) \\
&:= 666 + ((6 \times (6 \times (6 \times 66))) - 6/6) \\
&:= 7 + (((7+7+7) \times (7-77)) + (((7+7)/7)^{7+7})) \\
&:= 8 + (((8+8) \times 888) + (8 \times 88)) + 8/8 \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9)) + 99)) - 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14922 &:= 1 + ((111/(1+1+1)) + ((1+(11^{1+1}))^{1+1})) \\
&:= ((22+2+2) \times (((22+2)^2) - 2)) - 2 \\
&:= 3 \times ((3^3 \times (((3+3)^3) - 33)) + 33) \\
&:= 4 + (((((44/4)^4) + 4 \times 4) + 4^4) + 4/4) + 4 \\
&:= (5 \times (5^5 - 5)) + (((5-5^5) + 5)/5) - 55 \\
&:= 666 + (6 \times (6 \times (6 \times 66))) \\
&:= 7 + (((77+7)/7) + 7) \times ((777+7/7) + 7) \\
&:= 8 + (((8+8) \times 888) + ((8+8)/8)) + (8 \times 88) \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9)) + 99)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14923 &:= ((1+1+1) \times (1+1+11)) + ((1+(11^{1+1}))^{1+1}) \\
&:= ((22+2+2) \times (((22+2)^2) - 2)) - 2/2 \\
&:= 3^3 + (((3-3/3) + 3)^{3+3}) - (3^{3+3}) \\
&:= (((4^4 - 4)/4) - 4) \times ((4/4 - 4) + 4^4) - 4 \\
&:= (5 \times (5^5 - (5+5+5))) - ((5^5 + 5+5)/5) \\
&:= ((6-6/6)^6) - (666 + (6 \times 6)) \\
&:= 7 + (((7+7) \times ((77 \times (7+7)) - 7)) - (7/7 + 77)) \\
&:= 88/8 + (((8+8) \times 888) + (8 \times 88)) \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9)) + 99)) + 9/9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14924 &:= 1111 + (((1+1) \times (1+11))^{1+1+1}) - 11 \\
&:= (22+2+2) \times (((22+2)^2) - 2) \\
&:= (33/3) + (((3^3 - 3)^3) + (33 \times 33)) \\
&:= 44 + (((4-4^4) + 4) \times (4 - (4 \times (4 \times 4)))) \\
&:= ((5-5/5)^5) + (5 \times (5 \times 555 + 5)) \\
&:= 6/6 + (((6-6/6)^6) - (666 + (6 \times 6))) \\
&:= 7 + (7 \times (((7+7+7)/7)^7) - (7 \times 7 + 7)) \\
&:= (8 \times 88) + (((8+8) \times 888) + ((88+8)/8)) \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9)) + 99)) + (99/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14925 &:= (11 \times (1 + ((1+11) \times (1 + (1+111)))) - (1+1)) \\
&:= 2/2 + ((22+2+2) \times (((22+2)^2) - 2)) \\
&:= 3 + (((3^3 - 3)^3) + (33 \times 33)) + 3 \times 3 \\
&:= 44 + (((44/4)^4) - 4 \times 4) + 4^4 \\
&:= 5 \times (((5^5 - (5 \times (5 \times 5 + 5))) + 5) + 5) \\
&:= 666 + ((6 \times (6 \times (6 \times 66))) + (6 \times 6/(6+6))) \\
&:= 7 + ((7 \times (((7+7+7)/7)^7) - (7 \times 7 + 7)) + 7/7) \\
&:= ((88/8) + (8 \times 8)) \times ((888/8) + 88) \\
&:= 9 + (((9+9) \times ((9 \times (9 \times 9)) + 99)) + ((99+9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14926 &:= (11 \times (1 + ((1+11) \times (1 + (1+111)))) - 1) \\
&:= 2 + ((22+2+2) \times (((22+2)^2) - 2)) \\
&:= ((3^3 - 3)^3) + ((3333/3) - 3 \times 3) \\
&:= 44 + (((44/4)^4) - 4 \times 4) + 4^4 + 4/4 \\
&:= ((5-5^5)/5) + (5 \times (5^5 - (5+5+5))) \\
&:= 6 + (((666+66)/6)^{(6+6)/6}) + (6 \times 6) \\
&:= 7 \times 7 + (((777+77)/7)^{(7+7)/7}) - 7 \\
&:= (8/8 + 8 + 8) \times (((8-88)/8) + 888) \\
&:= (9 \times ((9+9) \times 99)) - ((9999+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14927 &:= 11 \times (1 + ((1+11) \times (1 + (1+111)))) \\
&:= (22/2) + (22 \times (((22+2+2)^2) + 2)) \\
&:= (33/3) \times (((33/3)^3) - 3/3) + 3^3 \\
&:= (((4^4 - 4)/4) - 4) \times ((4/4 - 4) + 4^4) \\
&:= ((5+5)/5) \times ((5/5 + 5)^5) - (5^5/5) \\
&:= 6 + (((6 \times (6 \times (6 \times 66))) - 6/6) + 666) \\
&:= 77 + (((777-7)/7) \times (((7+7)/7)^7) + 7) \\
&:= 8 + (((8+8) \times 888) - 8/8) + (8 \times 88) + 8 \\
&:= (9 \times ((9+9) \times 99)) - 9999/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14928 &:= (1+11) \times (1 + (11 \times (1 + (1+111)))) \\
&:= (2 \times 22) + (((22/2)^2) + 2/2)^2 \\
&:= 3^3 + (((3+3)^3) \times ((33+33) + 3)) - 3 \\
&:= 4 \times (((4+4) \times 444) + (4 \times 44)) + 4 \\
&:= ((5 \times 5) - 5/5) \times (((5^5 + 5+5)/5) - 5) \\
&:= 6 + ((6 \times (6 \times (6 \times 66))) + 666) \\
&:= (77/7) + (7 \times (((7+7+7)/7)^7) - (7 \times 7 + 7)) \\
&:= 8 + (((8+8) \times 888) + (8 \times 88)) + 8 \\
&:= (9 \times ((9+9) \times 99)) + ((9-9999)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14929 &:= 1 + ((1+11) \times (1 + (11 \times (1 + (1+111)))))) \\
&:= (((22+2)^2)/2) + ((22/2)^{2+2}) \\
&:= 33 + (((3-3/3) + 3)^{3+3}) - (3^{3+3}) \\
&:= 4^4 + (((44/4)^4) + (4 \times (4+4))) \\
&:= 5 + ((5 \times (5 \times 555 + 5)) + ((5-5/5)^5)) \\
&:= 6 + (((6-6/6)^6) - (666 + (6 \times 6))) \\
&:= ((777/7) \times (((7+7)/7)^7) + 7) - (7 \times 7 + 7) \\
&:= 8 + (((8+8) \times 888) + (8 \times 88)) + 8/8 + 8 \\
&:= 9 \times 9 + (((9+9)/9)^9) \times ((99/9+9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14930 &:= 1 + (1 + ((1+11) \times (1 + (11 \times (1 + (1+111)))))) \\
&:= 2 + (((((22/2)^2) + 2/2)^2) + 2 \times 22) \\
&:= 3 + ((33/3) \times (((33/3)^3) - 3/3) + 3^3) \\
&:= 44 + (((44/4)^4) - 44/4) + 4^4 \\
&:= 55 + (5 \times (5^5 - (5 \times (5 \times 5 + 5)))) \\
&:= 6 + (((6-6/6)^6) - (666 + (6 \times 6))) + 6/6 \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 77)) - ((7/7 + 7) + 7) \\
&:= 8 + (((8+8) \times 888) + ((8+8)/8)) + (8 \times 88) + 8 \\
&:= (((9+9)/9)^9) + ((9+9) \times ((9 \times (9 \times 9) + 9) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14931 &:= 1 + (1 + (1 + ((1 + 11) \times (1 + (11 \times (1 + (1 + 111))))))) \\
&:= 2 + (((22 + 2)^2)/2) + ((22/2)^{2+2}) \\
&:= 3 \times ((3 \times ((3 \times 3 + 3)^3) + 3) - ((3 + 3)^3)) \\
&:= 4 + (((4^4 - 4)/4) - 4) \times ((4/4 - 4) + 4^4) \\
&:= 5 + ((55 \times (5 \times 5 \times 5 + 5)) + ((5/5 + 5)^5)) \\
&:= (66 \times ((6 \times 6 \times 6 + 6) + 6)) - ((666/6) + 6) \\
&:= (((7 + 7)/7) + 77) \times (((7 + 7) \times (7 + 7)) - 7) \\
&:= 8 + (((8 + 8) \times 888) + (88/8)) + (8 \times 88) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 99)) + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14932 &:= ((1 + 1) \times ((1 + 1) \times (1 + 11))) + ((1 + (11^{1+1}))^{1+1}) \\
&:= 2 \times (2 \times ((2^{2+2+2}) - 2^2)) - 222 \\
&:= ((3^3 - 3)^3) + ((3333/3) - 3) \\
&:= ((4 + 4)^4) + ((4^4 - 4) \times (44 - 4/4)) \\
&:= 5 + (((5 + 5)/5) \times ((5/5 + 5)^5)) - (5^5/5) \\
&:= 6 \times 6 + (((6 - 6/6)^6) - ((6 \times 6/(6 + 6))^6)) \\
&:= 7/7 + (((7 + 7)/7) + 77) \times (((7 + 7) \times (7 + 7)) - 7) \\
&:= 8 + (((8 + 8) \times 888) + ((88 + 8)/8)) + (8 \times 88) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 99)) + 9/9 + 9) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14933 &:= (1 + (((1 + 1)^{11}) + ((1 + 1 + 1)^{11}))) / (1 + 11) \\
&:= (((22/2)^2) + 2^2) - ((2^{2+2} - 2)^2) \\
&:= ((3^3 - 3)^3) + (((3333 + 3)/3) - 3) \\
&:= 4 + (((44/4)^4) + (4 \times (4 + 4))) + 4^4 \\
&:= 5 + (((5 \times 5) - 5/5) \times (((5^5 + 5 + 5)/5) - 5)) \\
&:= 666 + ((6 \times (6 \times (6 \times 66))) + (66/6)) \\
&:= 7 \times 7 + (((777 + 77)/7)^{(7+7)/7}) \\
&:= 8 + (((88/8) + (8 \times 8)) \times ((888/8) + 88)) \\
&:= 9 + (((9 + 9) \times ((9 \times (9 \times 9)) + 99)) + (99/9)) + 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14934 &:= ((11 \times (1 + 11)) - 1) \times (1 + (1 + (1 + 11))) \\
&:= 2 + (22 \times (((22 + 2 + 2)^2) + 2)) + (2^{2+2}) \\
&:= ((3^3 - 3)^3) + ((3333 - 3)/3) \\
&:= 4 + (((44/4)^4) + (4 \times (4 + 4))) + 4^4 + 4/4 \\
&:= (5/5 + 5) \times (5^5 - ((55 + 5^5)/5)) \\
&:= 6 + (((6 \times (6 \times (6 \times 66))) + 666) + 6) \\
&:= ((7 \times 7) - (77/7)) \times ((7 \times (7 \times 7 + 7)) + 7/7) \\
&:= 8 + ((8/8 + 8 + 8) \times (((8 - 88)/8) + 888)) \\
&:= (999/9) + (9 \times ((9 \times (9 \times 9) - 9)) + 999)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14935 &:= 1111 + (((1 + 1) \times (1 + 11))^{1+1+1}) \\
&:= (2222/2) + ((22 + 2)^{2/2+2}) \\
&:= ((3^3 - 3)^3) + (3333/3) \\
&:= 4 + (((4^4 - 4)/4) - 4) \times ((4/4 - 4) + 4^4) + 4 \\
&:= 5 + ((5 \times (5^5 - (5 \times (5 \times 5 + 5)))) + 55) \\
&:= 6 + (((6 - 6/6)^6) - (666 + (6 \times 6))) + 6 \\
&:= (7 \times ((7 \times 7) - 7)) + ((77/7)^{77/7-7}) \\
&:= ((8/8 + 8 + 8) \times (888 - (8/8 + 8))) - 8 \\
&:= 9 + (9 \times ((9 + 9) \times 99)) - ((9999 + 9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14936 &:= 1 + (1111 + (((1 + 1) \times (1 + 11))^{1+1+1})) \\
&:= 22 + ((22 \times (((22 + 2 + 2)^2) + 2)) - 2) \\
&:= ((3^3 - 3)^3) + ((3333 + 3)/3) \\
&:= 4 + (((4^4 - 4) \times (44 - 4/4)) + ((4 + 4)^4)) \\
&:= (5 \times 5^5) + (((5 - 5^5)/5) - (55 + 5 + 5)) \\
&:= 6 \times 6 + (((6 - (66 \times 66))/6) + ((6 - 6/6)^6)) \\
&:= ((777/7) \times (((7 + 7)/7)^7) + 7) - (7 \times 7) \\
&:= 88 + ((8 \times 888) + (88 \times 88)) \\
&:= 9 + ((9 \times (9 + 9) \times 99) - 9999/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14937 &:= (11 \times (1 + (1 + ((1 + 11) \times (1 + (1 + 111)))))) - 1 \\
&:= 2 + (((22 + 2)^{2/2+2}) + (2222/2)) \\
&:= 33 + (((3 + 3)^3) \times ((33 + 33) + 3)) \\
&:= 44 + (((44/4)^4) - 4) + 4^4 \\
&:= (5 \times 5^5) - (((5 \times (5 \times (5 \times 55))) + 5)/5 + 5) \\
&:= (66 \times ((6 \times 6 \times 6 + 6) + 6)) - (666/6) \\
&:= (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 77)) - (7/7 + 7) \\
&:= 8/8 + (((8 \times 888) + (88 \times 88)) + 88) \\
&:= 9 + (((9 - 9999)/9) + (9 \times ((9 + 9) \times 99)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14938 &:= 11 \times (1 + (1 + ((1 + 11) \times (1 + (1 + 111)))))) \\
&:= 22 + (22 \times (((22 + 2 + 2)^2) + 2)) \\
&:= (33/3) \times (((33/3)^3) + 3^3) \\
&:= 44 + (((44/4)^4) - 4) + 4^4 + 4/4 \\
&:= (5 \times 5^5) + ((5 - (5 \times (5 \times (5 \times 55))))/5 + 5) \\
&:= 6 + (((6 - 6/6)^6) - ((6 \times 6/(6 + 6))^6)) + (6 \times 6) \\
&:= 77 \times (((7 + 7) \times (7 + 7)) - ((7 + 7)/7)) \\
&:= ((8/8 + 88) + 8) \times (((8 + 8)/8) + 88) + (8 \times 8) \\
&:= (99/9) \times ((9 \times (9 \times (9 + 9))) - (9/9 + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14939 &:= 1 + (11 \times (1 + (1 + ((1 + 11) \times (1 + (1 + 111)))))) \\
&:= 22 + ((22 \times (((22 + 2 + 2)^2) + 2)) + 2/2) \\
&:= 3 + (((3333 + 3)/3) + ((3^3 - 3)^3)) \\
&:= 44 + (((44/4)^4) - ((4 + 4)/4) + 4^4) \\
&:= (5 \times 5^5) - (((5^5 + 5)/5) + 55) + 5 \\
&:= (6 \times ((6 \times (((6 \times 66) + 6) + 6) + 6)) + 6) - 6/6 \\
&:= 7/7 + (77 \times (((7 + 7) \times (7 + 7)) - ((7 + 7)/7))) \\
&:= 8 + (((8 + 8) \times 888) + (88/8)) + (8 \times 88) + 8 \\
&:= (99 \times ((9 \times (9 + 9)) - (99/9))) - (9/9 + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14940 &:= (1 + 11) \times (1 + (1 + (11 \times (1 + (1 + 111)))))) \\
&:= 2 + (22 \times (((22 + 2 + 2)^2) + 2)) + 22 \\
&:= (3 \times 3 + 3 + 3) \times ((3 \times 333) - 3) \\
&:= 44 + (((44/4)^4) - 4/4) + 4^4 \\
&:= (5 \times 5^5) - (((5^5/5) + 55) + 5) \\
&:= 6 \times ((6 \times (((6 \times 66) + 6) + 6) + 6)) + 6 \\
&:= 7 + (((777 + 77)/7)^{(7+7)/7}) + (7 \times 7) \\
&:= 8 \times 8 + (((888 + 88)/8)^{(8+8)/8}) - 8 \\
&:= (99/9 + 9) \times (((9 \times (9 \times 9)) + 9) + 9)
\end{aligned}$$

► 14941 := 1 + ((1 + 11) × (1 + (1 + (11 × (1 + (1 + 111))))))
 := (2 × 22) + (((22/2)²⁺²) + (2^{2×(2+2)}))
 := 3 + ((33/3) × (((33/3)³) + 3³))
 := 44 + (((44/4)⁴) + 4⁴)
 := (5 × 5⁵) + (((5 - 5⁵)/5) - (55 + 5))
 := ((6 - 6/6)⁶) - (((666 + 6) + 6) + 6)
 := 7 + (((7 × 7) - (77/7)) × ((7 × (7 × 7 + 7)) + 7/7))
 := ((8/8 + 8 + 8) × (888 - 8)) - ((88/8) + 8)
 := 9/9 + ((99/9 + 9) × ((9 × (9 × 9)) + 9) + 9)

► 14946 := 11 + (1111 + (((1 + 1) × (1 + 11))¹⁺¹⁺¹))
 := 22 + ((22 + 2 + 2) × (((22 + 2)²) - 2))
 := 33 + (((3³ - 3)³) + (33 × 33))
 := 4 + (((((44/4)⁴) + 44) + 4⁴) + 4/4)
 := (5 × 5⁵) + (((5 - 5⁵)/5) - 55)
 := 6 + (6 × ((6 × (((6 × 66) + 6) + 6) + 6) + 6))
 := 7/7 + (7 × ((7 × (7 × ((7 × 7) - 7))) + 77))
 := 8 + (((8/8 + 88) + 8) × (((8 + 8)/8) + 88) + (8 × 8))
 := (99 × ((9 × (9 + 9)) - (99/9))) - ((9 + 9 + 9)/9)

► 14942 := 1 + (1 + ((1 + 11) × (1 + (1 + (11 × (1 + (1 + 111))))))
 := (2 - 22²) × (2 - ((22/2) + 22))
 := 3 + (((3333 + 3)/3) + ((3³ - 3)³) + 3)
 := 44 + (((((44/4)⁴) + 4⁴) + 4/4)
 := (5 × 5⁵) + (((5 - 5⁵) + 5)/5) - (55 + 5)
 := ((6 - 6/6)⁶) - ((666 + (66/6)) + 6)
 := 7 + (((77/7)^{77/7-7}) + (7 × ((7 × 7) - 7)))
 := ((8/8 + 8 + 8) × (888 - (8/8 + 8))) - 8/8
 := ((9 + 9)/9) + ((99/9 + 9) × ((9 × (9 × 9)) + 9) + 9)

► 14947 := ((1 + 11) × (11¹⁺¹⁺¹)) - (1 + ((1 + 1)¹¹⁻¹))
 := ((22/2)²⁺²) + ((22 × (2²⁺² - 2)) - 2)
 := 3 × 3 + ((33/3) × (((33/3)³) + 3³))
 := 4 + (((((44/4)⁴) + ((4 + 4)/4) + 4⁴) + 44)
 := (5 × 5⁵) + (((5 - 5⁵) + 5)/5) - 55
 := ((6 - 6/6)⁶) - ((666 + 6) + 6)
 := ((7 + 7)/7) + (7 × ((7 × (7 × ((7 × 7) - 7))) + 77))
 := 8 × 8 + (((888 + 88)/8)^{(8+8)/8}) - 8/8
 := 99 + (((9 + 9)/9)⁹) × ((99/9 + 9) + 9)

► 14943 := 1 + (1 + (1 + ((1 + 11) × (1 + (1 + (11 × (1 + (1 + 111))))))
 := 2/2 + ((2 - 22²) × (2 - ((22/2) + 22)))
 := 3 + ((3 × 3 + 3 + 3) × ((3 × 333) - 3))
 := 44 + (((((44/4)⁴) + ((4 + 4)/4) + 4⁴)
 := (5 × 5⁵) - (((5⁵ + 5 + 5)/5) + 55)
 := 6 + ((66 × ((6 × 6 × 6 + 6) + 6)) - (666/6))
 := (((7 + 7)/7) + (7 × 7)) × ((7 × ((7 × 7) - 7)) - 7/7)
 := (8/8 + 8 + 8) × (888 - (8/8 + 8))
 := ((9 - 9/9) + 9) × ((9 × 99) - ((99 + 9)/9))

► 14948 := ((1 + 11) × (11¹⁺¹⁺¹)) - ((1 + 1)¹¹⁻¹)
 := (2²⁺²⁺²) + (((22/2)²) + 2/2²)
 := ((3³ - 3)³) + (((3 × 3 + 3 + 3)³) - 3)/3
 := 4 + (4 × ((44 × (((4 - 4/4)⁴) + 4) - 4))
 := (5 × (5⁵ - (5 + 5))) - ((5⁵ + 5 + 5)/5)
 := ((6 - 6/6)⁶) - (666 + (66/6))
 := ((7 + 7 + 7)/7) + (7 × ((7 × (7 × ((7 × 7) - 7))) + 77))
 := 8 × 8 + (((888 + 88)/8)^{(8+8)/8})
 := (99 × ((9 × (9 + 9)) - (99/9))) - 9/9

► 14944 := (((11¹⁺¹) - 1)/(1 + 1)) + ((1 + (11¹⁺¹))¹⁺¹)
 := 2 + ((2 - 22²) × (2 - ((22/2) + 22)))
 := 3 + (((33/3) × (((33/3)³) + 3³)) + 3)
 := 4 × ((44 × (((4 - 4/4)⁴) + 4) - 4)
 := (5 × 5⁵) - (((5⁵ + 5)/5) + 55)
 := 66 + (((666 + 66)/6)^{(6+6)/6}) - 6
 := (7 × ((7 × (7 × ((7 × 7) - 7))) + 77)) - 7/7
 := ((8/8 + 8 + 8) × (888 - 8)) - (8 + 8)
 := 9 + (((9 × ((9 + 9) × 99)) - ((9999 + 9)/9)) + 9)

► 14949 := 11 × (1 + (1 + (1 + ((1 + 11) × (1 + (1 + 111))))))
 := ((22/2)²⁺²) + (22 × (2²⁺² - 2))
 := 33 × ((3 × ((3 + 3) × 3³)) - 33)
 := 4 + (((((44/4)⁴) + 44) + 4⁴) + 4)
 := (5 × (5⁵ - (5 + 5))) - ((5⁵ + 5)/5)
 := ((6 - 66)/6) + (((6 - 6/6)⁶) - 666)
 := (77/7) + (77 × (((7 + 7) × (7 + 7)) - ((7 + 7)/7)))
 := ((88/8) + 88) × ((88 - 8/8) + (8 × 8))
 := 99 × ((9 × (9 + 9)) - (99/9))

► 14945 := 11 + (((11 × (1 + 11)) - 1) × (1 + (1 + (1 + 111))))
 := (((22/2)²) - 2)² + (((22 + 2 + 2) + 2)²)
 := (((3/3 + 3)³) - 3) × (((3³⁺³) - 3)/3) + 3
 := 4 + (((((44/4)⁴) + 44) + 4⁴)
 := (5 × 5⁵) - ((5⁵/5) + 55)
 := ((6 × 6) - 6/6) × (((6 × (66 + 6)) - 6) + 6/6)
 := 7 × ((7 × (7 × ((7 × 7) - 7))) + 77)
 := 8/8 + (((8/8 + 8 + 8) × (888 - 8)) - (8 + 8))
 := 9 + (((9 × ((9 + 9) × 99)) - 9999/9) + 9)

► 14950 := 1 + (11 × (1 + (1 + (1 + ((1 + 11) × (1 + (1 + 111))))))
 := ((22/2) + 2) × ((2 × ((22 + 2)²) - 2)
 := (3³ - 3/3) × (((3 × 3 + 3)³) - 3)/3
 := 4⁴ + (((4⁴ - 44)/4) + ((44/4)⁴)
 := 5 × (5⁵ - ((5 × 5 × 5 + 5) + 5))
 := 66 + (((666 + 66)/6)^{(6+6)/6})
 := 7 + (((7 + 7)/7) + (7 × 7)) × ((7 × ((7 × 7) - 7)) - 7/7))
 := ((8 - 88)/8) + ((8/8 + 8 + 8) × (888 - 8))
 := 9/9 + (99 × ((9 × (9 + 9)) - (99/9)))

$$\begin{aligned}
\blacktriangleright 14951 &:= 11 + ((1 + 11) \times (1 + (1 + (11 \times (1 + (1 + 111)))))) \\
&:= 2 + ((22 \times (2^{2+2} - 2)) + ((22/2)^{2+2})) \\
&:= 3 + (((((3 \times 3 + 3 + 3)^3) - 3)/3) + ((3^3 - 3)^3)) \\
&:= ((4 + 4)^4) + ((44444/4) - 4^4) \\
&:= ((5 - 5^5)/5) + (5 \times (5^5 - (5 + 5))) \\
&:= ((6 - 6/6)^6) - ((666 + ((6 + 6)/6)) + 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 77)) - 7/7) \\
&:= 8 + ((8/8 + 8 + 8) \times (888 - (8/8 + 8))) \\
&:= ((9 + 9)/9) + (99 \times ((9 \times (9 + 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14952 &:= (1 + 11) \times (1 + (1 + (1 + (11 \times (1 + (1 + 111)))))) \\
&:= (22 + 2) \times (((2/2 + 2 + 2)^{2+2}) - 2) \\
&:= 3 + (33 \times ((3 \times ((3 + 3) \times 3^3) - 33)) \\
&:= (((44 - 4)/4) + 4) \times ((4 \times 4^4) + 44) \\
&:= ((5 \times 5) - 5/5) \times ((5^5 - (5 + 5))/5) \\
&:= 666 + ((6 \times ((6 \times (6 \times 66)) + 6)) - 6) \\
&:= 7 + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 77)) \\
&:= (8/8 + 88) \times ((88 - 8) + 88) \\
&:= 9 + (((9 - 9/9) + 9) \times ((9 \times 99) - ((99 + 9)/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14953 &:= 1 + ((1 + 11) \times (1 + (1 + (1 + (11 \times (1 + (1 + 111)))))) \\
&:= (((((22/2)^2) + 2)^2) - (2 \times (2 \times 2 \times 22))) \\
&:= 3 + ((3^3 - 3/3) \times (((3 \times 3 + 3)^3) - 3)/3) \\
&:= 4 + (((((44/4)^4) + 44) + 4^4) + 4) + 4) \\
&:= 5 + ((5 \times (5^5 - (5 + 5))) - ((5^5 + 5 + 5)/5)) \\
&:= ((6 - 6/6)^6) - (666 + 6) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 77)) + 7/7) \\
&:= 8/8 + ((8/8 + 88) \times ((88 - 8) + 88)) \\
&:= 9999/9 + ((9 \times (9 \times ((9 \times (9 + 9)) + 9))) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14954 &:= (1 + 1 + (1 + 11) \times (1 + 1 + 1 + 11 \times (1 + 1 + 111))) \\
&:= (((22 + 2)^2) \times (22 + 2 + 2)) - 22 \\
&:= ((3 + 3)^3) + ((3 \times (((33/3 + 3) + 3)^3)) - 3/3) \\
&:= (4 \times ((4 + 4)^4)) - ((44 \times (4^4 + 4))/(4 + 4)) \\
&:= 5 + ((5 \times (5^5 - (5 + 5))) - ((5^5 + 5)/5)) \\
&:= 6/6 + (((6 - 6/6)^6) - (666 + 6)) \\
&:= 7 + ((7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 77)) + (7 + 7)/7) \\
&:= ((8 + 8)/8) + ((8/8 + 88) \times ((88 - 8) + 88)) \\
&:= 9 + (((9 \times ((9 + 9) \times 99)) - 9999/9) + 9) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14955 &:= ((1 + 1)^{11-1-1}) + ((1 + 1 + 11) \times 1111) \\
&:= 2 + (((((22/2)^2) + 2)^2) - (2 \times (2 \times 2 \times 22))) \\
&:= ((3 + 3)^3) + (3 \times (((33/3 + 3) + 3)^3)) \\
&:= (4/4 + 4) \times ((44 \times ((4 \times (4 \times 4) + 4)) - 4/4) \\
&:= 5 + (5 \times (5^5 - ((5 \times 5 \times 5 + 5) + 5))) \\
&:= ((6 + 6)/6) + (((6 - 6/6)^6) - (666 + 6)) \\
&:= (7 \times (((((7 + 7 + 7)/7)^7) - (7 \times 7))) - (77/7)) \\
&:= (8 \times 8 \times 8) + (((88 + 8 + 8)/8) \times (8888/8)) \\
&:= ((9 - (9 + 9 + 9)/9) + 9) \times (999 - ((9 + 9)/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14956 &:= (((11^{1+1}) - 1)^{1+1}) + ((1 + 1111)/(1 + 1)) \\
&:= 2 + (((((22 + 2)^2) \times (22 + 2 + 2)) - 22) \\
&:= 3 + (((3^3 - 3/3) \times (((3 \times 3 + 3)^3) - 3)/3) + 3) \\
&:= (4 \times (44 \times (((4 - 4/4)^4) + 4))) - 4 \\
&:= 5 + ((5 \times (5^5 - (5 + 5))) + ((5 - 5^5)/5)) \\
&:= ((6 - 6/6)^6) - ((6 \times 6/(6 + 6)) + 666) \\
&:= (77/7) + (7 \times ((7 \times (7 \times ((7 \times 7) - 7))) + 77)) \\
&:= 8 + (((888 + 88)/8)^{(8+8)/8}) + (8 \times 8) \\
&:= 9 + (((((9 + 9)/9)^9) \times ((99/9 + 9) + 9)) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14957 &:= 1 + (((11^{1+1}) - 1)^{1+1}) + ((1 + 1111)/(1 + 1)) \\
&:= (2 \times (2 - (2 \times 2 \times 22))) + (((22/2)^2) + 2)^2) \\
&:= ((3^3 - 3)^3) + (((33/3)^3) - (33 \times (3 + 3))) \\
&:= 4 \times 4 + (((44/4)^4) + 44) + 4^4) \\
&:= 5 + (((5 \times 5) - 5/5) \times ((5^5 - (5 + 5))/5)) \\
&:= ((6 - 6/6)^6) - (666 + ((6 + 6)/6)) \\
&:= (77 \times ((7 + 7) \times (7 + 7))) - (((7 + 7)/7)^7) + 7) \\
&:= 8 + (((88/8) + 88) \times ((88 - 8/8) + (8 \times 8))) \\
&:= 9 + ((99 \times ((9 \times (9 + 9)) - (99/9))) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14958 &:= ((1 + 1 + 1)^{1+1+1}) \times (((1111 - 1)/(1 + 1)) - 1) \\
&:= (22 \times (((22 + 2 + 2)^2) + 2) + 2) - 2 \\
&:= 3 \times (3 \times (((3 \times 3 + 3)^3) - (33 + 33))) \\
&:= 4^4 + (((44/4)^4) - 4) + ((4^4 + 4)/4) \\
&:= (55 - 5/5) \times ((5 \times 55) + ((5 + 5)/5)) \\
&:= 666 + (6 \times ((6 \times (6 \times 66)) + 6)) \\
&:= (7 - 7/7) \times (((7/7 + (7 \times 7))^{(7+7)/7}) - 7) \\
&:= ((8/8 + 8 + 8) \times (888 - 8)) - ((8 + 8)/8) \\
&:= 9 + (99 \times ((9 \times (9 + 9)) - (99/9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14959 &:= (111 \times ((1 + 11)^{1+1})) - (1 + ((1 + 1)^{11-1})) \\
&:= (2 \times ((2 \times 2 \times 22)^2)) - ((22 + 2/2)^2) \\
&:= 3^3 + (((3333/3) - 3) + ((3^3 - 3)^3)) \\
&:= (4 \times (44 \times (((4 - 4/4)^4) + 4))) - 4/4 \\
&:= (5 \times 5^5) - ((555/5) + 555) \\
&:= ((6 - 6/6)^6) - 666 \\
&:= (7 \times (((((7 + 7 + 7)/7)^7) - (7 \times 7))) - 7) \\
&:= ((8/8 + 8 + 8) \times (888 - 8)) - 8/8 \\
&:= 9 + ((99 \times ((9 \times (9 + 9)) - (99/9))) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14960 &:= (111 - 1) \times (1 + (1 + (1 + (1 + (11 \times (1 + 11)))))) \\
&:= 22 \times (((22 + 2 + 2)^2) + 2) + 2) \\
&:= ((33/3) + 33) \times (((3/3 + 3 + 3)^3) - 3) \\
&:= 4 \times (44 \times (((4 - 4/4)^4) + 4)) \\
&:= 55 \times (((5 + 5)/5) - 5) + (5 \times 55)) \\
&:= 6/6 + (((6 - 6/6)^6) - 666) \\
&:= 7/7 + ((7 \times (((((7 + 7 + 7)/7)^7) - (7 \times 7))) - 7) \\
&:= (8/8 + 8 + 8) \times (888 - 8) \\
&:= ((9 - 9/9) + 9) \times ((9 \times 99) - (99/9))
\end{aligned}$$

► 14961 := 1 + ((111 - 1) × (1 + (1 + (1 + (1 + (11 × (1 + 11)))))))
 := 2/2 + (22 × (((22 + 2 + 2)²) + 2) + 2)
 := 3 × (((3/3 + 3)³⁺³) + (33 × 3³))
 := 4⁴ + (((44/4)⁴) + (4 × (4 × 4)))
 := (555/5) + (55 × (5 × 55 - 5))
 := ((6 + 6)/6) + (((6 - 6/6)⁶) - 666)
 := 77 + (((777 + 77)/7)^{(7+7)/7})
 := 8/8 + ((8/8 + 8 + 8) × (888 - 8))
 := 9/9 + (((9 - 9/9) + 9) × ((9 × 99) - (99/9)))

► 14966 := 1 + (((11 - 1 - 1)¹⁺¹) + ((1 + (11¹⁺¹))¹⁺¹))
 := 2 + (((22 × (((22 + 2 + 2)²) + 2) + 2) + 2)
 := ((3³⁺³) × ((3 × (3 + 3)) + 3)) - ((3/3 + 3 + 3)³)
 := 4 + (((4⁴ + 4)/4) + ((44/4)⁴) + 4⁴)
 := (5 × 5⁵) + ((5 - (55 × (55 + 5)))/5)
 := 6 + (((6 - 6/6)⁶) - 666) + 6/6)
 := 7 × (((7 + 7 + 7)/7)⁷) - (7 × 7))
 := 8 + (((8/8 + 8 + 8) × (888 - 8)) - ((8 + 8)/8))
 := 9 + (((99 × ((9 × (9 + 9)) - (99/9))) - 9/9) + 9)

► 14962 := 1 + (1 + ((111 - 1) × (1 + (1 + (1 + (1 + (11 × (1 + 11)))))))
 := 2 + (22 × (((22 + 2 + 2)²) + 2) + 2)
 := 3³ + ((3333/3) + ((3³ - 3)³))
 := 4⁴ + (((4⁴ + 4)/4) + ((44/4)⁴))
 := 5 + (((5 × 5) - 5/5) × ((5⁵ - (5 + 5))/5) + 5)
 := 66 + (((6 - 6/6)⁶) - ((6 × 6/(6 + 6))⁶))
 := 7 + (7 × (((7 + 7 + 7)/7)⁷) - (7 × 7)) - (77/7)
 := ((8 + 8)/8) + ((8/8 + 8 + 8) × (888 - 8))
 := 9999/9 + (9 × (9 × ((9 × (9 + 9)) + 9)))

► 14967 := (1 + 1 + 1) × (((11 - 1)¹⁺¹⁺¹⁺¹)/(1 + 1)) - 11
 := 2 + (((2²⁺²) + 2)²) + ((22/2)²⁺²)
 := 3 × ((333 × (3 × 3 + 3 + 3)) - (3 + 3))
 := 4 + (((4 × (44 × (((4 - 4/4)⁴) + 4))) - 4/4) + 4)
 := (5 × 5⁵) + (((5 - (55 × (55 + 5)))/5) + 5)/5)
 := 6 + (((6 - 6/6)⁶) - 666) + ((6 + 6)/6))
 := 7/7 + (7 × (((7 + 7 + 7)/7)⁷) - (7 × 7))
 := 8 + (((8/8 + 8 + 8) × (888 - 8)) - 8/8)
 := 9 + ((99 × ((9 × (9 + 9)) - (99/9))) + 9)

► 14963 := (1 + 1 + 11) × (((1 + 1) × ((1 + 1) × (1 + 11))¹⁺¹) - 1)
 := ((22/2) + 2) × ((2 × ((22 + 2)²) - 2/2)
 := 3 + (((33/3) + 33) × (((3/3 + 3 + 3)³) - 3))
 := 4 + ((4 × (44 × (((4 - 4/4)⁴) + 4))) - 4/4)
 := (5 × (5⁵ - 5)) - (((55 + 5⁵) + 5)/5)
 := 6 + (((6 - 6/6)⁶) - (666 + ((6 + 6)/6)))
 := (((7 + 7)/7)⁷⁺⁷) - (7 × (((7 + 7) × (7 + 7)) + 7))
 := 88/8 + ((8/8 + 88) × ((88 - 8) + 88))
 := (9 × (9 × ((9 × (9 + 9)) + 9))) + ((9999 + 9)/9)

► 14968 := (11¹⁺¹⁺¹⁺¹) + ((1 + 1 + 1) × (111 - (1 + 1)))
 := 2 × (((2 × 2 × 22 - 2)²) + (2 × 2 × 22))
 := 33 + ((3333/3) + ((3³ - 3)³))
 := 4 + ((4 × (44 × (((4 - 4/4)⁴) + 4))) + 4)
 := (5 × 5⁵) - (((5 + 5)/5)⁵) + (5⁵/5)
 := 6 + (((6 - 6/6)⁶) - ((6 × 6/(6 + 6))⁶) + 66)
 := ((7 + 7)/7) + (7 × (((7 + 7 + 7)/7)⁷) - (7 × 7))
 := 8 + ((8/8 + 8 + 8) × (888 - 8))
 := ((9 - 9/9) + 9) × ((9 × 99) - (9/9 + 9)) - 9

► 14964 := (1 + 11) × (1 + (1 + (1 + (1 + (11 × (1 + (1 + 11)))))))
 := 2 + (22 × (((22 + 2 + 2)²) + 2) + 2)
 := 3 + (3 × (((3/3 + 3)³⁺³) + (33 × 3³))
 := 4 + (4 × (44 × (((4 - 4/4)⁴) + 4)))
 := (5 × (5⁵ - 5)) - ((55 + 5⁵)/5)
 := 6 + ((6 × ((6 × (6 × 66)) + 6)) + 666)
 := (77 × ((7 + 7) × (7 + 7))) - (((7 + 7)/7)⁷)
 := 88 + (((888 + 88)/8)^{(8+8)/8}) - 8)
 := (99 - ((99 + 9)/9)) × (((9 × (9 + 9)) + 9/9) + 9)

► 14969 := 1 + ((11¹⁺¹⁺¹⁺¹) + ((1 + 1 + 1) × (111 - (1 + 1))))
 := 2 + (((2²⁺²) + 2)²) + ((22/2)²⁺²) + 2)
 := 33 + (((3333 + 3)/3) + ((3³ - 3)³))
 := 4 + ((4 × ((4 - 4/4)⁴) + ((44/4)⁴))
 := (5 × (5⁵ - 5)) - (((5⁵ + 5)/5) + 5)
 := ((66 - 6)/6) + (((6 - 6/6)⁶) - 666)
 := (((7 + 7)/7)⁷) × (((777 - 7)/7) + 7) - 7
 := 8 + (((8/8 + 8 + 8) × (888 - 8)) + 8/8)
 := 9 + (((9 - 9/9) + 9) × ((9 × 99) - (99/9)))

► 14965 := ((11 - 1 - 1)¹⁺¹) + ((1 + (11¹⁺¹))¹⁺¹)
 := (((2²⁺²) + 2)²) + ((22/2)²⁺²)
 := 3³ + ((33/3) × (((33/3)³) + 3³))
 := ((44/4)⁴) + (4 × ((4 - 4/4)⁴))
 := 5 × ((55 × 55) - (((5 + 5)/5)⁵))
 := 6 + (((6 - 6/6)⁶) - 666)
 := (7 × (((7 + 7 + 7)/7)⁷) - (7 × 7)) - 7/7
 := ((8 + 8) × ((8 × (8 × (8 + 8))) - 88)) - (88/8)
 := 9 × 9 + (((999 + 99)/9)^{(9+9)/9})

► 14970 := (11¹⁺¹⁺¹⁺¹) + (((1 + 1 + 1) × (111 - 1)) - 1)
 := (((22 + 2)²) × (22 + 2 + 2)) - (2 + 2 + 2)
 := ((3 - 3/3) + 3) × ((3 × (3 × 333)) - 3)
 := 4 + (((4⁴ + 4)/4) + ((44/4)⁴) + 4⁴) + 4)
 := (5 × (5⁵ - 5)) - ((5⁵/5) + 5)
 := 66 + (6 × (6 × (((6 × 66) + 6) + 6) + 6))
 := 7 + (((7 + 7)/7)⁷⁺⁷) - (7 × (((7 + 7) × (7 + 7)) + 7))
 := 8 + (((8/8 + 8 + 8) × (888 - 8)) + ((8 + 8)/8))
 := (9/9 - 999) × (((9 + 9 + 9)/9) - (9 + 9))

- **14971** := $11 \times ((11^{1+1+1}) + ((11-1) \times (1+1+1)))$
:= $(22/2) + (22 \times (((22+2+2)^2) + 2) + 2)$
:= $333 + (((33/3)^{3/3+3}) - 3)$
:= $(44/4) + (4 \times (44 \times (((4-4/4)^4) + 4)))$
:= $((5-5^5)/5) + ((5 \times (5^5-5)) - 5)$
:= $6 + (((6-6/6)^6) - 666) + 6)$
:= $7 + ((77 \times ((7+7) \times (7+7))) - (((7+7)/7)^7))$
:= $88/8 + ((8/8+8+8) \times (888-8))$
:= $9 + (9 \times (9 \times (9 \times (9+9) + 9))) + 9999/9)$
- **14972** := $1 + (11 \times ((11^{1+1+1}) + ((11-1) \times (1+1+1))))$
:= $2 \times (((22/2) + 2) \times ((22+2)^2)) - 2)$
:= $3/3 + (((33/3)^{3/3+3}) - 3) + 333)$
:= $(4 \times (((4+4)^4) - ((4+4) \times 44))) - 4$
:= $(5 \times (5^5-5)) + (((5-5^5) + 5)/5) - 5)$
:= $6 + (((6-6/6)^6) - 666) + 6/6) + 6)$
:= $(77-7/7) \times (((7+7) \times (7+7)) + 7/7)$
:= $88 + (((888+88)/8)^{(8+8)/8})$
:= $9 + (9 \times (9 \times (9 \times (9+9) + 9))) + ((9999+9)/9))$
- **14973** := $((1+1+1) \times 111) + ((11^{1+1+1}) - 1)$
:= $(2/2 - 22^2) \times (2 - ((22/2) + 22))$
:= $(3^3 - (3/3+3)) \times ((3 \times ((3+3)^3)) + 3)$
:= $4 + (((4 \times ((4-4/4)^4)) + ((44/4)^4)) + 4)$
:= $(5 \times (5^5-5)) - ((5^5+5+5)/5)$
:= $((6 \times 6 \times 6) + 6/6) \times ((6 \times 6/(6+6)) + 66)$
:= $7 + (7 \times (((7+7+7)/7)^7) - (7 \times 7))$
:= $8 + (((8+8) \times ((8 \times (8 \times (8+8))) - 88)) - 88/8)$
:= $(9/9 - (9 \times (9+9))) \times ((9 - (999/9)) + 9)$
- **14974** := $((1+1+1) \times 111) + (11^{1+1+1})$
:= $((22+2)^2) \times (22+2+2) - 2)$
:= $333 + ((33/3)^{3/3+3})$
:= $4^4 + (((44/4)^4) - 4) + ((4-4/4)^4)$
:= $(5 \times (5^5-5)) - ((5^5+5)/5)$
:= $((6-6/6)^6) - (((6 \times 6 \times 6) + 6)/(6+6)/6))$
:= $7 + ((7 \times (((7+7+7)/7)^7) - (7 \times 7)) + 7/7)$
:= $((8+8) \times ((8 \times (8 \times (8+8))) - 88)) - ((8+8)/8)$
:= $9 + (((999+99)/9)^{(9+9)/9}) + (9 \times 9)$
- **14975** := $1 + (((1+1+1) \times 111) + (11^{1+1+1}))$
:= $((22+2)^2) \times (22+2+2) - 2/2)$
:= $3/3 + (((33/3)^{3/3+3}) + 333)$
:= $(4 \times (((4+4)^4) - ((4+4) \times 44))) - 4/4)$
:= $5 \times (5^5 - (5 \times 5 \times 5 + 5))$
:= $(66 \times ((6 \times 6 \times 6) + (66/6))) - (6/6+6)$
:= $7 + ((7 \times (((7+7+7)/7)^7) - (7 \times 7)) + (7+7)/7)$
:= $((8+8) \times ((8 \times (8 \times (8+8))) - 88)) - 8/8)$
:= $9 \times 9 + ((9+9) \times ((9 \times (9 \times 9) + 99)) - (9/9+9))$
- **14976** := $(1+1) \times ((1+1+11) \times (((1+1) \times (1+11))^{1+1}))$
:= $((22+2)^2) \times (22+2+2)$
:= $3 \times (3 \times (((33/3)^3) + 333))$
:= $4 \times (((4+4)^4) - ((4+4) \times 44))$
:= $((5-5^5)/5) + (5 \times (5^5-5))$
:= $(6+6) \times ((6 \times (6 \times 6 \times 6) - 6) - (6+6))$
:= $((7+7)/7)^7 \times (((777-7)/7) + 7)$
:= $(8+8) \times ((8 \times (8 \times (8+8))) - 88)$
:= $9 \times 9 + ((9+9) \times ((9 \times (9 \times 9) + 99)) - 9)$
- **14977** := $(11^{1+1+1+1}) + ((1+1+1) \times (1+111))$
:= $2/2 + (((22+2)^2) \times (22+2+2))$
:= $3 + (((33/3)^{3/3+3}) + 333)$
:= $4/4 + (4 \times (((4+4)^4) - ((4+4) \times 44)))$
:= $(5 \times (5^5-5)) + (((5-5^5) + 5)/5)$
:= $((6-6/6)^6) - (6 \times (6 \times (6+6+6)))$
:= $(7 \times 7 \times 7) + (((77/7)^{77/7-7}) - 7)$
:= $8/8 + ((8+8) \times ((8 \times (8 \times (8+8))) - 88))$
:= $((9-9/9) + 9) \times ((9 \times 99) - (9/9+9))$
- **14978** := $((11 \times ((1+1)^{1+1}) - 11) - 1)/(1+1+1)$
:= $2 + (((22+2)^2) \times (22+2+2))$
:= $3 + (((33/3)^{3/3+3}) + 333) + 3/3)$
:= $4^4 + (((44/4)^4) + ((4-4/4)^4))$
:= $5 + ((5 \times (5^5-5)) - ((5^5+5+5)/5))$
:= $6/6 + (((6-6/6)^6) - (6 \times (6 \times (6+6+6))))$
:= $((777/7) \times (((7+7)/7)^7) + 7) - 7$
:= $((8+8)/8) + ((8+8) \times ((8 \times (8 \times (8+8))) - 88))$
:= $9 + (((9-9/9) + 9) \times ((9 \times 99) - (99/9))) + 9)$
- **14979** := $1 + (((11 \times ((1+1)^{1+1}) - 11) - 1)/(1+1+1))$
:= $2 + (((22+2)^2) \times (22+2+2)) + 2/2)$
:= $3 + (3 \times (3 \times (((33/3)^3) + 333)))$
:= $4 + ((4 \times (((4+4)^4) - ((4+4) \times 44))) - 4/4)$
:= $5 + ((5 \times (5^5-5)) - ((5^5+5)/5))$
:= $((6 \times 6/(6+6))^6) + ((6 \times (6 \times (6 \times 66))) - 6)$
:= $7 + ((77-7/7) \times (((7+7) \times (7+7)) + 7/7))$
:= $8 + (((8/8+8+8) \times (888-8)) + (88/8))$
:= $9 + ((9/9-999) \times (((9+9+9)/9) - (9+9)))$
- **14980** := $(111^{1+1}) + (((1+1) \times ((11^{1+1+1}) - 1)) - 1)$
:= $2 + (((22+2)^2) \times (22+2+2)) + 2)$
:= $3 + (((33/3)^{3/3+3}) + 333) + 3)$
:= $4 + (4 \times (((4+4)^4) - ((4+4) \times 44)))$
:= $5 + (5 \times (5^5 - (5 \times 5 \times 5 + 5)))$
:= $((6+6)/6)^6 + 6) \times ((6 \times 6 \times 6) - ((6+6)/6))$
:= $(7+7) \times ((77 \times (7+7)) - (7/7+7))$
:= $8 + (((888+88)/8)^{(8+8)/8}) + 88)$
:= $(99/9+9) \times ((9 \times (9 \times 9) + (99/9)) + 9)$

$$\begin{aligned}
\blacktriangleright 14981 &:= (111^{1+1}) + ((1+1) \times ((11^{1+1+1}) - 1)) \\
&:= 2 + (((((22+2)^2) \times (22+2+2)) + 2/2) + 2) \\
&:= (3 \times (333 \times (3 \times 3 + 3 + 3))) - (3/3 + 3) \\
&:= ((44/4)^4) + (4 \times (((4-4/4)^4) + 4)) \\
&:= 5 + (((5-5^5)/5) + (5 \times (5^5 - 5))) \\
&:= (66 \times ((6 \times 6 \times 6) + (66/6))) - 6/6 \\
&:= (77 \times ((7+7) \times (7+7))) - (777/7) \\
&:= 8 + (((8+8) \times ((8 \times (8 \times (8+8))) - 88)) - 88/8) + 8) \\
&:= ((9 \times 9) - (9/9 + 9)) \times (((999+9)/9) + 99)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14982 &:= 11 \times ((1 + (((1+1)^{1+1}) - 1)) / (1+1+1)) \\
&:= 2 + (((((22+2)^2) \times (22+2+2)) + 2) + 2) \\
&:= (3 \times (333 \times (3 \times 3 + 3 + 3))) - 3 \\
&:= 4 + (((44/4)^4) + ((4-4/4)^4) + 4^4) \\
&:= 5 + (((5-5^5) + 5)/5) + (5 \times (5^5 - 5)) \\
&:= 66 \times ((6 \times 6 \times 6) + (66/6)) \\
&:= ((7-777)/7) + (77 \times ((7+7) \times (7+7))) \\
&:= 8 + (((8+8) \times ((8 \times (8 \times (8+8))) - 88)) - ((8+8)/8)) \\
&:= 9 + ((9/9 - 9 \times (9+9)) \times ((9 - (999/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14983 &:= (111^{1+1}) + ((1+1) \times (11^{1+1+1})) \\
&:= (222/2) + (22 \times ((22+2+2)^2)) \\
&:= 3 \times 3 + (((33/3)^{3/3+3}) + 333) \\
&:= 4 + (((4 \times (((4+4)^4) - ((4+4) \times 44))) - 4/4) + 4) \\
&:= (5 \times 5^5) - (((55+5^5) + 5)/5) + 5) \\
&:= 6 + (((6-6/6)^6) - (6 \times (6 \times (6+6+6)))) \\
&:= ((7+7) \times ((77 \times (7+7)) - 7)) - (77/7) \\
&:= 8 + (((8+8) \times ((8 \times (8 \times (8+8))) - 88)) - 8/8) \\
&:= 99 + (((999+99)/9)^{(9+9)/9})
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14984 &:= 111 + (((1 + (11^{1+1}))^{1+1}) - 11) \\
&:= 2 \times (((((22/2) + 2) \times ((22+2)^2)) + 2) + 2) \\
&:= (3 \times (333 \times (3 \times 3 + 3 + 3))) - 3/3 \\
&:= 4 + ((4 \times (((4+4)^4) - ((4+4) \times 44))) + 4) \\
&:= (5 \times 5^5) - (((55+5^5)/5) + 5) \\
&:= ((6+6)/6) + (66 \times ((6 \times 6 \times 6) + (66/6))) \\
&:= (7 \times 7 \times 7) + ((77/7)^{77/7-7}) \\
&:= 8 + ((8+8) \times ((8 \times (8 \times (8+8))) - 88)) \\
&:= 9 \times 9 + (((9+9) \times ((9 \times (9 \times 9)) + 99)) - 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14985 &:= 111 \times (1 + (1 + (1 + (11 \times (1 + 11)))))) \\
&:= (222/2) \times (((222/2) + 22) + 2) \\
&:= 3 \times (333 \times (3 \times 3 + 3 + 3)) \\
&:= 44 + (((44/4)^4) + 44) + 4^4 \\
&:= 555 \times (((5+5)/5) + 5 \times 5) \\
&:= ((6 \times 6 / (6+6))^6) + (6 \times (6 \times (6 \times 66))) \\
&:= (777/7) \times (((7+7)/7)^7) + 7) \\
&:= (888/8) \times (((8 \times (8+8)) - 8/8) + 8) \\
&:= 9 \times (((9+9) \times ((99/9) + (9 \times 9))) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14986 &:= 1 + (111 \times (1 + (1 + (1 + (11 \times (1 + 11)))))) \\
&:= ((2+2+2) \times (((2 \times (22+2)) + 2)^2) - 2) - 2 \\
&:= 3/3 + (3 \times (333 \times (3 \times 3 + 3 + 3))) \\
&:= (((4^4 - 4)/4) - 4) \times (4^4 - (4+4)/4) \\
&:= (5 \times (5^5 - 5)) + ((55 - 5^5)/5) \\
&:= 6 + (((((6+6)/6)^6) + 6) \times ((6 \times 6 \times 6) - ((6+6)/6))) \\
&:= ((7+7) \times ((77 \times (7+7)) - 7)) - (7/7 + 7) \\
&:= ((8 \times (8+8)) - 8/8) \times (((888 - 8)/8) + 8) \\
&:= 9 + (((9-9/9) + 9) \times ((9 \times 99) - (9/9 + 9)))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14987 &:= 1 + (1 + (111 \times (1 + (1 + (1 + (11 \times (1 + 11)))))) \\
&:= (22/2) + (((22+2)^2) \times (22+2+2)) \\
&:= 3 + ((3 \times (333 \times (3 \times 3 + 3 + 3))) - 3/3) \\
&:= (44/4) + (4 \times (((4+4)^4) - ((4+4) \times 44))) \\
&:= (5 \times 5^5) - (((55+5^5) + 5)/5) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) + (66/6))) - 6/6) \\
&:= ((7+7) \times ((77 \times (7+7)) - 7)) - 7 \\
&:= 88/8 + ((8+8) \times ((8 \times (8 \times (8+8))) - 88)) \\
&:= (((99/9) + (9 \times 9)) \times ((9 \times (9+9)) + 9/9)) - 9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14988 &:= 1 + (1 + (1 + (111 \times (1 + (1 + (1 + (11 \times (1 + 11)))))) \\
&:= (2+2+2) \times (((2 \times (22+2)) + 2)^2) - 2) \\
&:= 3 + (3 \times (333 \times (3 \times 3 + 3 + 3))) \\
&:= (4-4/4) \times (((4+4) \times ((4/4+4)^4) - 4) \\
&:= (5 \times 5^5) - (((55+5^5) + 5)/5) \\
&:= 6 + (66 \times ((6 \times 6 \times 6) + (66/6))) \\
&:= 7/7 + (((7+7) \times ((77 \times (7+7)) - 7)) - 7) \\
&:= ((88+8)/8) + ((8+8) \times ((8 \times (8 \times (8+8))) - 88)) \\
&:= 9 + (((9/9 - 999) \times ((9+9+9)/9) - (9+9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14989 &:= (1 + 1 + 11) \times (1 + ((1+1) \times (((1+1) \times (1+11))^{1+1}))) \\
&:= 2222 + (((222/2) + 2)^2) - 2) \\
&:= 3 + ((3 \times (333 \times (3 \times 3 + 3 + 3))) + 3/3) \\
&:= ((44/4)^4) + (((4+4) \times 44) - 4) \\
&:= (5 \times 5^5) - ((55+5^5)/5) \\
&:= 6 \times 6 + (((6-6/6)^6) - (666+6)) \\
&:= ((7+7)/7) + (((7+7) \times ((77 \times (7+7)) - 7)) - 7) \\
&:= ((88+8+8)/8) \times (((8+8) \times ((8 \times 8) + 8)) + 8/8) \\
&:= 9 + ((99/9+9) \times (((9 \times (9 \times 9)) + (99/9) + 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14990 &:= ((1+1) \times 1111) + (((1 + (1 + 111))^{1+1}) - 1) \\
&:= 2 + ((2+2+2) \times (((2 \times (22+2)) + 2)^2) - 2) \\
&:= ((3-3/3) + 3) \times ((3 \times (3 \times 333)) + 3/3) \\
&:= 4 + (((4^4 - 4)/4) - 4) \times (4^4 - (4+4)/4) \\
&:= (5 \times 5^5) - (((5^5/5) + 5) + 5) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) + (66/6))) + ((6+6)/6)) \\
&:= 7 + (((7+7) \times ((77 \times (7+7)) - 7)) - (77/7)) \\
&:= 8 + (((8+8) \times ((8 \times (8 \times (8+8))) - 88)) - ((8+8)/8)) + 8) \\
&:= 9 + (((9 \times 9) - (9/9 + 9)) \times (((999+9)/9) + 99))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14991 &:= ((1+1) \times 1111) + ((1+(1+111))^{1+1}) \\
&:= 2222 + (((222/2) + 2)^2) \\
&:= 3 + ((3 \times (333 \times (3 \times 3 + 3 + 3))) + 3) \\
&:= ((44/4)^4) + (((4+4) \times 44) - ((4+4)/4)) \\
&:= (5 \times 5^5) + (((5-5^5)/5) - (5+5)) \\
&:= 6 + (((6 \times 6/(6+6))^6) + (6 \times (6 \times (6 \times 66)))) \\
&:= 7 + (((77/7)^{77/7-7}) + (7 \times 7 \times 7)) \\
&:= ((8/8+8+8) \times (888-8/8)) - 88 \\
&:= ((9/9+9) + 9) \times (((9 \times 99) - (999/9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14992 &:= 111 + (((1+(11^{1+1}))^{1+1}) - (1+1+1)) \\
&:= 2 \times (2 \times ((2 \times ((2 \times 22 + 2)^2) - 22^2)) \\
&:= 3 + (((3 \times (333 \times (3 \times 3 + 3 + 3))) + 3/3) + 3) \\
&:= 4 \times (((4+4)^4) - ((4+4) \times 44)) + 4 \\
&:= (5 \times 5^5) + (((5-5^5) + 5)/5) - (5+5) \\
&:= ((66-6)/6) + (66 \times ((6 \times 6 \times 6) + (66/6))) \\
&:= 7 + ((777/7) \times (((7+7)/7)^7) + 7) \\
&:= 8 + (((8+8) \times ((8 \times (8 \times (8+8))) - 88)) + 8) \\
&:= ((99-9/9) \times ((9 \times (9+9)) - 9)) - ((9+9)/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14993 &:= 11 \times ((11 \times (1 + (1 + (1 + (11^{1+1})))))) - 1) \\
&:= (22 \times (2^{2+2})) + ((22/2)^{2+2}) \\
&:= (33/3) \times (((33/3)^3) - 3/3) + 33 \\
&:= ((44/4)^4) + ((4+4) \times 44) \\
&:= (5 \times 5^5) - (((5^5 + 5 + 5)/5) + 5) \\
&:= (66/6) + (66 \times ((6 \times 6 \times 6) + (66/6))) \\
&:= ((7+7) \times ((77 \times (7+7)) - 7)) - 7/7 \\
&:= 8 + ((888/8) \times (((8 \times (8+8)) - 8/8) + 8)) \\
&:= ((99-9/9) \times ((9 \times (9+9)) - 9)) - 9/9
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14994 &:= 111 + (((1+(11^{1+1}))^{1+1}) - 1) \\
&:= ((2 \times (2^{2+2})) + 2) \times ((22-2/2)^2) \\
&:= 3 \times ((333 \times (3 \times 3 + 3 + 3)) + 3) \\
&:= 4/4 + (((44/4)^4) + ((4+4) \times 44)) \\
&:= (5 \times 5^5) - (((5^5 + 5)/5) + 5) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) + (66/6))) + 6) \\
&:= (7+7) \times ((77 \times (7+7)) - 7) \\
&:= (8/8+8+8) \times (((8+8)/8) - 8) + 888 \\
&:= (99-9/9) \times ((9 \times (9+9)) - 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14995 &:= 111 + ((1+(11^{1+1}))^{1+1}) \\
&:= 2 + ((22 \times (2^{2+2})) + ((22/2)^{2+2})) \\
&:= 3/3 + (3 \times ((333 \times (3 \times 3 + 3 + 3)) + 3)) \\
&:= ((4+4)/4) + (((44/4)^4) + ((4+4) \times 44)) \\
&:= (5 \times 5^5) - ((5^5/5) + 5) \\
&:= 6 \times 6 + (((6-6/6)^6) - 666) \\
&:= 7/7 + ((7+7) \times ((77 \times (7+7)) - 7)) \\
&:= 8 + (((8+8) \times ((8 \times (8 \times (8+8))) - 88)) + (88/8)) \\
&:= 9/9 + ((99-9/9) \times ((9 \times (9+9)) - 9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14996 &:= 1 + (111 + ((1+(11^{1+1}))^{1+1})) \\
&:= (2 \times 22 + 2) \times (((2^{2+2}) + 2)^2) + 2 \\
&:= (33/3) + (3 \times (333 \times (3 \times 3 + 3 + 3))) \\
&:= (((4 \times 4 + 4) + 4) \times ((4/4 + 4)^4)) - 4 \\
&:= (5 \times 5^5) + (((5-5^5)/5) - 5) \\
&:= 6 \times 6 + (((6-6/6)^6) - 666) + 6/6 \\
&:= ((7+7)/7) + ((7+7) \times ((77 \times (7+7)) - 7)) \\
&:= 8 + (((8+8) \times ((8 \times (8 \times (8+8))) - 88)) + ((88+8)/8)) \\
&:= ((99/9) + (9 \times 9)) \times ((9 \times (9+9)) + 9/9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14997 &:= 1 + (1 + (111 + ((1+(11^{1+1}))^{1+1}))) \\
&:= (2/2 + 2) \times (((2 \times (2+2) + 2)^{2+2}) - 2)/2 \\
&:= 3 + (3 \times ((333 \times (3 \times 3 + 3 + 3)) + 3)) \\
&:= 4 + (((44/4)^4) + ((4+4) \times 44)) \\
&:= (5 \times 5^5) + (((5-5^5) + 5)/5) - 5 \\
&:= 6 + (((6 \times 6/(6+6))^6) + (6 \times (6 \times (6 \times 66)))) + 6 \\
&:= ((7+7+7)/7) + ((7+7) \times ((77 \times (7+7)) - 7)) \\
&:= 88 + ((8/8+8+8) \times (888-88/8)) \\
&:= 9/9 + (((99/9) + (9 \times 9)) \times ((9 \times (9+9)) + 9/9))
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14998 &:= 1 + (1 + (1 + (111 + ((1+(11^{1+1}))^{1+1})))) \\
&:= 22 + (((22+2)^2) \times (22+2+2)) \\
&:= ((33/3) \times (((33/3)^3) + 33)) - (3+3) \\
&:= 4 + (((44/4)^4) + ((4+4) \times 44)) + 4/4 \\
&:= (5 \times 5^5) - ((5^5 + 5 + 5)/5) \\
&:= (((6+6)/6) + (6 \times 6)) \times ((6 \times 66) - 6/6) - (6+6) \\
&:= (77/7) + (((7+7) \times ((77 \times (7+7)) - 7)) - 7) \\
&:= ((8/8+8+8) \times (888 - ((8+8)/8))) - (8 \times 8) \\
&:= 9 + (((99/9+9) \times ((9 \times (9 \times 9)) + (99/9) + 9)) + 9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 14999 &:= (1 + (1111 \times ((1+1+1)^{1+1+1}))) / (1+1) \\
&:= ((2+2+2) \times (((2 \times (22+2) + 2)^2) - 2) / 2 \\
&:= ((3 \times 3 + 3 + 3) \times (((3 \times 3) + 3/3)^3)) - 3/3 \\
&:= (((4 \times 4 + 4) + 4) \times ((4/4 + 4)^4)) - 4/4 \\
&:= (5 \times 5^5) - ((5^5 + 5)/5) \\
&:= 6 + ((66 \times ((6 \times 6 \times 6) + (66/6))) + (66/6)) \\
&:= 7 + (((777/7) \times (((7+7)/7)^7) + 7) + 7) \\
&:= 8 + (((8/8+8+8) \times (888-8/8)) - 88) \\
&:= (9 \times (((9+9) \times 99) + 9)) - (9999/9+9)
\end{aligned}$$

$$\begin{aligned}
\blacktriangleright 15000 &:= (1 + 1 + 1) \times (((11-1)^{1+1+1+1}) / (1+1)) \\
&:= (2+2+2) \times (((2 \times (22+2)) + 2)^2) \\
&:= (3 \times 3 + 3 + 3) \times (((3 \times 3) + 3/3)^3) \\
&:= ((4 \times 4 + 4) + 4) \times ((4/4 + 4)^4) \\
&:= 5 \times (5^5 - (5 \times 5 \times 5)) \\
&:= (6-66) \times (((6+6)/6) - (6 \times (6 \times 6 + 6))) \\
&:= 7 + (((7+7) \times ((77 \times (7+7)) - 7)) - 7/7) \\
&:= 88 + (((8+8) \times 888) + (8 \times 88)) \\
&:= (9/9+99) \times ((9 \times (9+9)) - ((99+9)/9))
\end{aligned}$$

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• Work's Summary

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